DENON

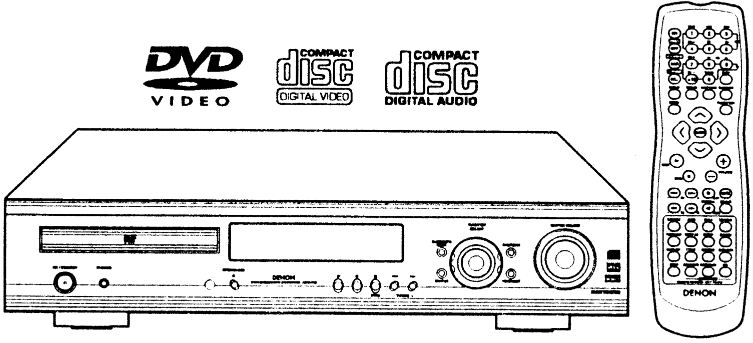
For U.S.A. , Canada &
Europe model

Hi-Fi Component

SERVICE MANUAL

MODEL ADV-700

DVD SURROUND RECEIVER



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- **Some illustrations using in this service manual are slightly different from the actual set.**

NIPPON COLUMBIA CO., LTD.

14-14, AKASAKA 4-CHOME, MINATO-KU, TOKYO 107-8011 JAPAN
Telephone: 03 (3584) 8111

X0115 842 NC 0108

SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

LEAKAGE CURRENT CHECK

Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power cord is less than 460 kohms, the unit is defective.

SPECIFICATIONS

■ **Audio section**	
• **Power amplifier**	
Output power:	Front: 35 W + 35 W (6 Ω/ohms, 1 kHz with 10% T.H.D.) Center: 35 W + 35 W (6 Ω/ohms, 1 kHz with 10% T.H.D.) Surround: 35 W + 35 W (6 Ω/ohms, 1 kHz with 10% T.H.D.)
Output terminals:	Front, Center, Surrond: 6 ~16 Ω/ohms
• **Analog**	
Input sensitivity / input impedance:	200 mV / 47 kΩ/kohms
Frequency response:	10 Hz ~ 70 kHz: +0.3 dB (DIRECT mode)
S / N :	98 dB (DIRECT mode)
Rated output:	1.2 V (Subwoofer preout, 20 Hz)
• **Digital**	
Digital input / output:	Format — Digital audio interface
■ **Video secion**	
• **Standard video jacks**	
Input / output level and inpedance:	1 Vp-p, 75 Ω/ohms
• **S-video jacks**	
Input / output level and inpedance:	Y (brightness) signal — 1 Vp-p, 75 Ω/ohms C (color) signal — 0.286 Vp-p, 75 Ω/ohms (U.S.A. & Canada model) C (color) signal — 0.3 Vp-p, 75 Ω/ohms (Europe model)
• **Color cimponent video jacks (DVD output) (U.S.A. & Canada model)**	
Input / output level and inpedance:	Y (brightness) signal — 1 Vp-p, 75 Ω/ohms C_B (blue) signal — 0.648 Vp-p, 75 Ω/ohms C_R (red) signal — 0.648 Vp-p, 75 Ω/ohms
• **AV1 connector (Europe model)**	
Video output:	1Vp-p, 75Ω/ohms
S-video output:	Y (brightness) signal — 1 Vp-p, 75 Ω/ohms C (color) signal — 0.3 Vp-p, 75 Ω/ohms
RGB output (DVD only):	R/G/B signal — 0.7 Vp-p, 75 Ω/ohms
Audio output:	L/R (Fixed output)
■ **Tuner section**	**[FM]** (note: µV at 75 Ω/ohms, 0 dBf=1×10^{-15} W) **[AM]**
Receiving Range	
U.S.A. & Canada model:	87.50 MHz~107.90 MHz 520 MHz~1710 MHz
Europe model:	87.50 MHz~108.00 MHz 522 MHz~1611 MHz
Usable Sensitivity:	1.5 µV (14.8 dBf)
■ **DVD section**	
Signal Format:	NTSC/PAL
Applicable discs:	(1) DVD-Video discs 1-layer 12 cm single-sided discs, 2-layer 12 cm single-sided discs, 2-layer 12cm double-sided discs (1 layer per side) 1-layer 8 cm single-sided discs, 2-layer 8 cm single-sided discs, 2-layer 8 cm double-sided discs (1 layer per side) (2) Compact discs (CD-DA, Video CD) 12 cm discs, 8 cm discs
Audio output:	Fixed output level: 2 Vrms, (CDR/TYPE, VCR OUT)
■ **Clock, Timer section**	
Clock system:	Power source synchronous system
Timer functions:	Everyday timer (DVD or Tuner): 1 setting Sleep timer: maximum 120 min.
■ **General**	
Power Supply:	AC 120 V, 60 Hz (For U.S.A. & Canada model) AC 230 V, 50 Hz (For Europe model)
Power Consumption:	135 W (Standby 1.2 W) (For U.S.A. & Canada model) 145 W (Standby 1.2 W) (For Europe model)
Maximuim external Dimensions:	434(W) × 90 (H) × 415 (D) mm (17.1" × 3.5" × 16.3")
Mass:	9.4 kg (20.7 lbs)
■ **Remote Control Unit**	RC-902 (For U.S.A. & Canada model) RC-901 (For Europe model)
Type:	Infrared pulse
Power Supply:	DC 3V, 2 "AA/R6P" batteries

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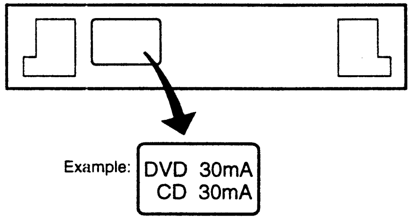
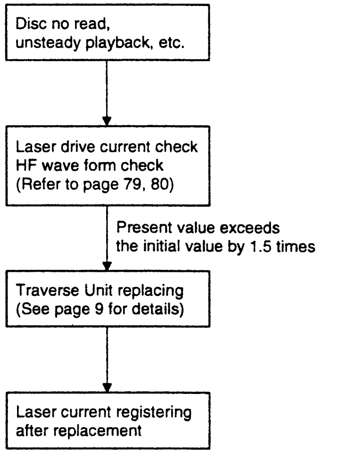
• Design and specifications are subject to change without notice in the course of porduct improvement.

DIAGNOSTICS OF OPTICAL PICKUP AND REPLACING TRAVERSE UNIT

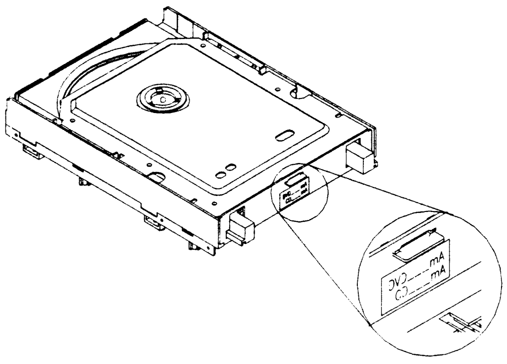
Make failure diagnostics of the Optical Pickup as follows.
If the laser drive current becomes more than 1.5 times of the initial value, the Optical Pickup should be replaced.
The laser drive current is registered on the seal attached to the rear of the Mecha. Unit.
In case of replacing the Pickup, change the whole part of the Traverse Unit.
No mechanical adjustment is necessary after the replacement.




Disc no read, unsteady playback, etc.
Laser drive current check HF wave form check (Refer to page 79, 80)
Present value exceeds the initial value by 1.5 times
Traverse Unit replacing (See page 9 for details)
Laser current registering after replacement

Step: Disc playback
Write the measured value
on the seal attached to the Mecha. Unit
* As to the measuring method, refer to page 4

Label Indication of DVD Mechanism



Laser current consumption value
ex) DVD ***mA, CD ***mA

Note for Handling the Laser Pick-up

The protection for the damage of laser diode.

If you want to change the optical device unit from any other units, you must keep the following.

(1) It should be done at the desk already took measures the static electricity in care of removing the OPU's (Optical device unit) connector cable.
(2) Workers should be put on the "Earth Band".
(3) It shold be done to add the solder to the short land to prevent the broken Laser diode before removing the 24P FFC cable.
(4) Don't touch OPU's connector parts carelessly.

Replacement of the Laser Pick-up (Traverse Unit)

Check the Iop (Laser drive current).

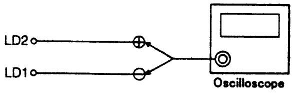
If the present Iop (current) value exceeds +50% of the initial value, replace the Traverse unit (Laser Pick-up) with a new one.

Iop Measurement Method

When measureing Laser drive current (Iop), playback the discs (CD, DVD) described below, measure Iop for CD Laser and DVD Laser by the test point (LD1 ~ LD4) on the DVD Main P.W.B.

Test Disc : DVD/DVDT-S01 or commercially available discs.
: CD/TCD-784 (manufactured by ALMEDIO INC) or commercially available discs.

1. DVD Laser current measurement

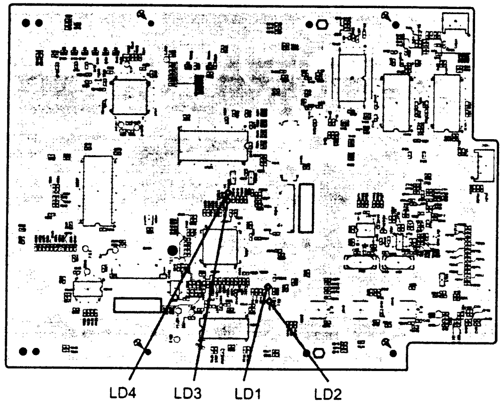


(1) Connect the oscilloscope to LD1 of test point for GND side and LD2 of test point for signal side.
(2) Playback the title 1 / chapter 1 of the DVD Test Disc.
(3) Measure the voltage between LD1 and LD2, calculate Iop by the formula as shown below.

$$Iop = \frac{\text{Measurement Voltage Value}}{39\ \text{(Resistance Value)}}$$

2. CD Laser current measurement
(1) Connect the oscilloscope to LD3 of test point for GND side and LD4 of test point for signal side.
(2) Playback the track 1 of the CD Test Disc.
(3) Measure the voltage between LD3 and LD4, calculate Iop by the formula as shown below.

$$Iop = \frac{\text{Measurement Voltage Value}}{39\ \text{(Resistance Value)}}$$



DVD Main Unit foil side

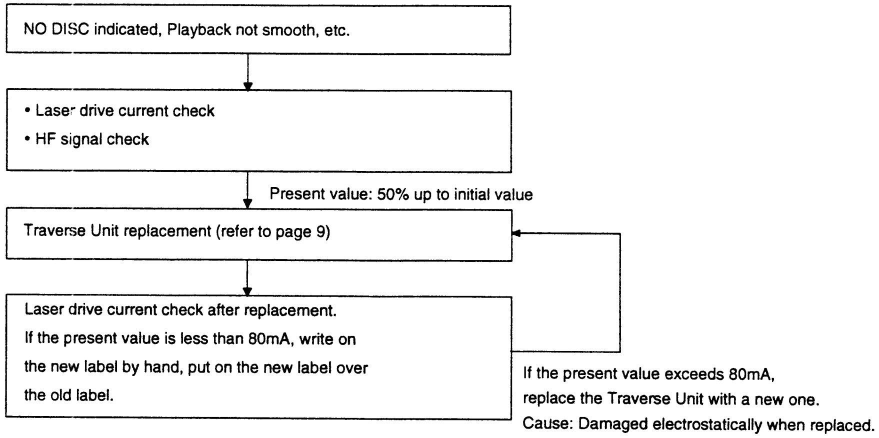
Optical Pick-up Diagnostics and Replacement

When repairing, carry out failure diagnostics by following the procedure described below.

If the present value of the laser drive current is 50% up to initial value, it is the point of the pickup replacement.

In case of the pickup replacement, replace the Traverse Unit with no adjustment.

The initial value is indicated on the label on back side of Mecha.



NO DISC indicated, Playback not smooth, etc.

- Laser drive current check
- HF signal check

Present value: 50% up to initial value

Traverse Unit replacement (refer to page 9)

Laser drive current check after replacement.
If the present value is less than 80mA, write on the new label by hand, put on the new label over the old label.

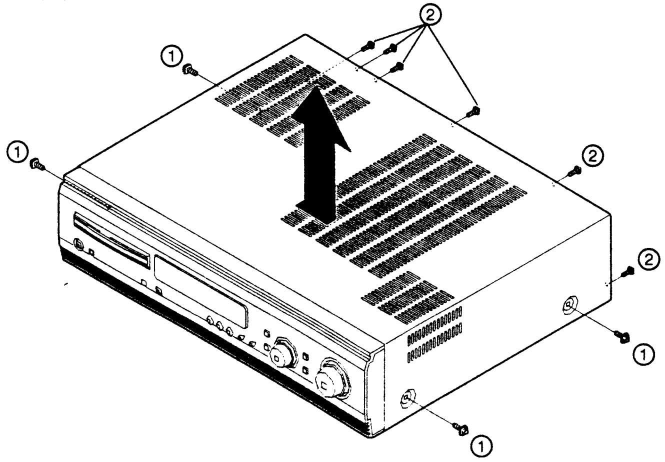
If the present value exceeds 80mA, replace the Traverse Unit with a new one.
Cause: Damaged electrostatically when replaced.

DISASSEMBLY

(Follow the procedure below in reverse order when reassembling)

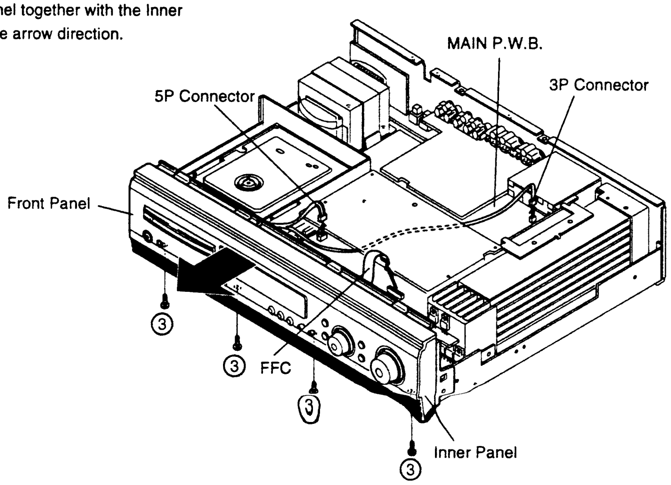
1. Top Cover

1) Remove 4 screws ① on both sides.
2) Remove 6 screws ② on the rear panel.
3) Detach the Cover as shown in the arrow direction.



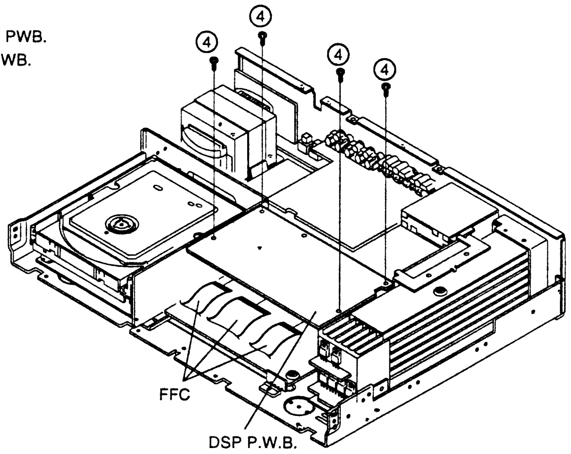
2. Front Panel

1) Remove 4 screws ③ from the bottom edge of the Front Panel.
2) Disconnect FFC, 3P Connector, and 5P Connector from the Main PWB.
3) Detach the Front Panel together with the Inner Panel as shown in the arrow direction.


MAIN P.W.B.
5P Connector
3P Connector
Front Panel
③
③
FFC
③
Inner Panel
③

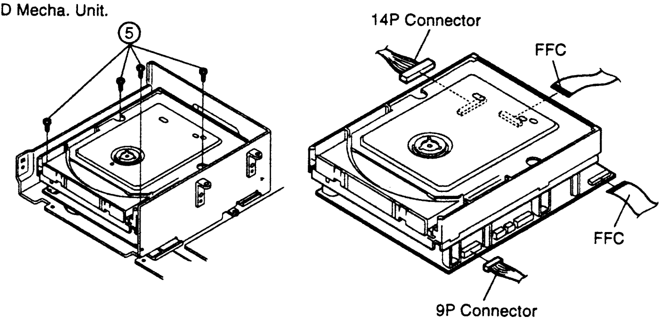
3. DSP PWB

1) Remove 4 screws ④ fixing the DSP PWB.
2) Disconnect FFC x 3 from the DSP PWB.


④
④
④
④
FFC
DSP P.W.B.

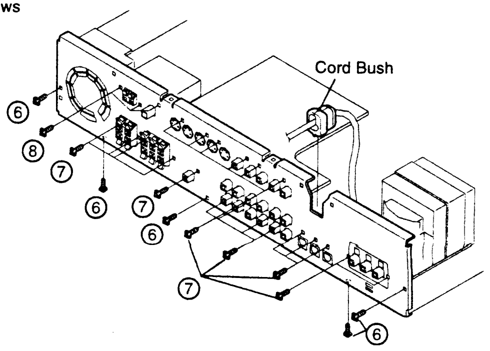
4. DVD Mecha. Unit

1) Remove 4 screws ⑤ on the DVD Mecha. Unit.
2) Disconnect FFC x 2, 14P Connector, and 9P Connector from the DVD Mecha. Unit.


⑤
14P Connector
FFC
FFC
9P Connector

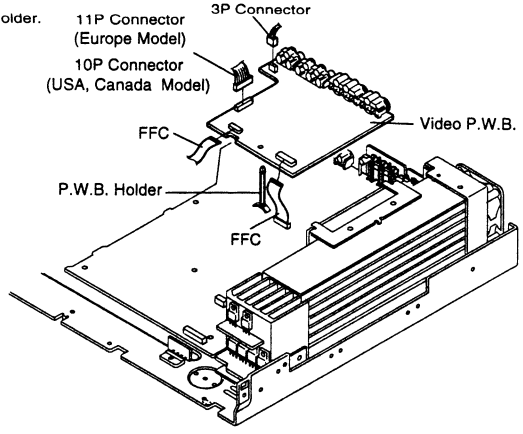
5. Rear Panel

1) Remove the Cord Bush.
2) Remove 5 screws ⑥, 20 screws ⑦, and 3 screws ⑧ on the Rear Panel.


Cord Bush
⑥
⑧
⑦
⑥
⑦
⑥
⑦
⑥

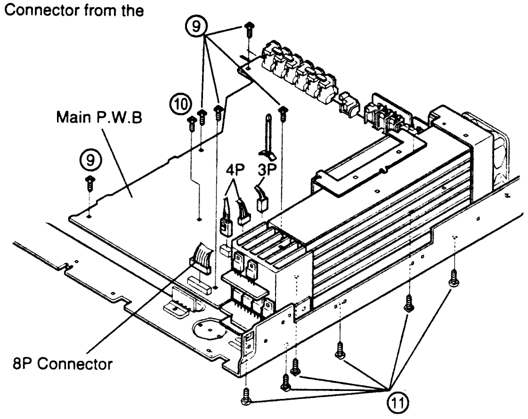
6. Video PWB

1) Disconnect FFC x 2, 11P Connector, and 3P Connector from the Video PWB.
2) Detach the Video PWB from the PWB Holder.


3P Connector
11P Connector
(Europe Model)
10P Connector
(USA, Canada Model)
Video P.W.B.
FFC
P.W.B. Holder
FFC

7. Main PWB

1) Remove 5 screws ⑨ and 1 screw ⑩ on the Main PWB.
2) Remove 6 screws ⑪ from the bottom of the Chassis.
3) Disconnect 8P, 4P x 2, and 3P Connector from the Main PWB.


⑨
⑩
Main P.W.B
⑨
4P
3P
8P Connector
⑪

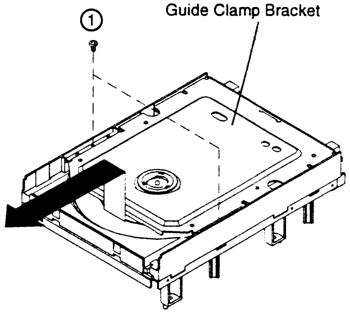
TRAVERSE UNIT DISASSEMBLY

(Follow the procedure below in reverse order when reassembling)

Caution: The optical pickup can be damaged easily by static electricity charged on human body. Take necessary anti-static measures when repairing around the optical pickup.

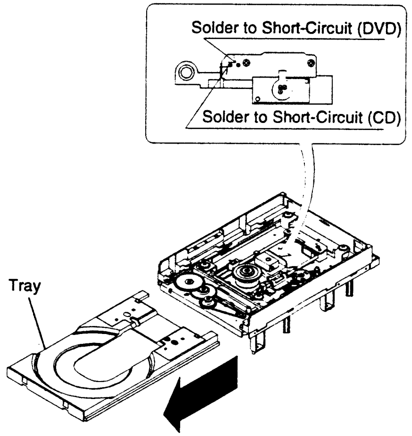
1. Guide Clamp Bracket disassembly

(1) Remove 2 screws ①.
(2) Remove Guide Clamp Bracket to arrow direction.


①
Guide Clamp Bracket

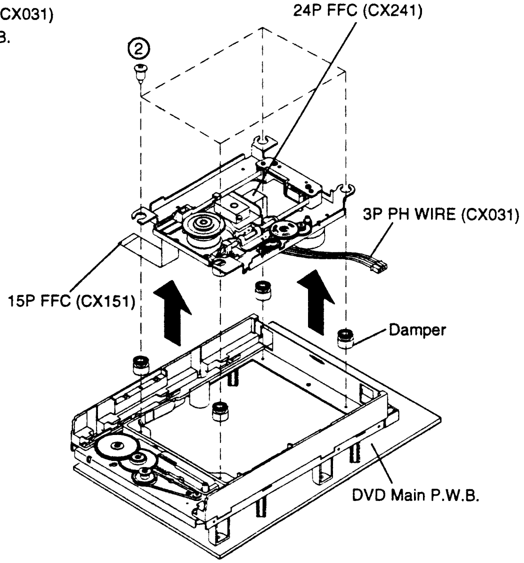
2. Tray disassembly

(1) Remove to arrow direction.
(2) Solder the short-circuit (see in the frame).


Solder to Short-Circuit (DVD)
Solder to Short-Circuit (CD)
Tray

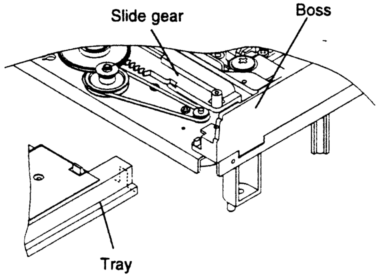
3. Traverse Unit disassembly

(1) Remove 24P FFC (CX241), 15P FFC (CX151), 5P PH WIRE (CX051) and 3P PH WIRE (CX031) connecting with from the DVD Main P.W.B.
(2) Remove 4 screws of ② fixing Damper.
(3) Remove Traverse Unit to arrow direction.



Note for disassembly Traverse Unit

(1) When assembling, reverse the order of the above.
(2) When inserting Tray, confirm boss on Slide Cam set to ditch of the Tray (Compare with right drawing).



CAUTION IN SERVICING

● Initialization

Initialization should be performed when the µcom, peripheral parts of µcom, and DVD Main P.W.B. are replaced.

How to initialize

- At the player is in the state of AC OFF, turn the AC ON with pressing the PLAY (▶) and STOP (■) buttons simultaneously. Check that the Standby LED lights orange and the initialization has been activated. (until "INITIALIZE" disappears from *the FL display).*

Note: All user settings will be lost and its factory setting will be recovered when this initialization is made. So make sure to memorize your setting for restoring after the initialization.

ELECTRICAL ADJUSTMENT

The following adjustment is electrical adjustments. These adjustments are to be performed after replacing the printed circuit boards.

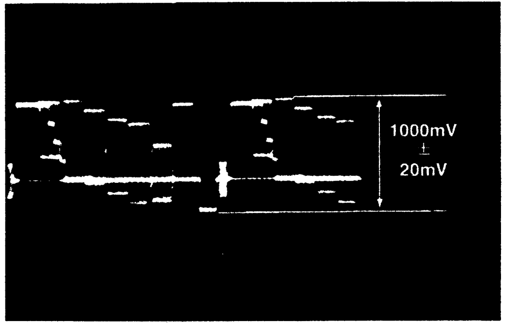
1. Video Output (Interlace) Adjustment

Measurement Point	Adjustment Point	Mode	Disc
Video Output Pin Terminal	VR701	Color Bar 75% T12 Playback	DVD T -S01
Measuring Device: Oscilloscope 200 mV/div, 10 µs/div			
Adjustment Value: 1000 mVp-p ±20 mV			

For compatibility of video signal output.

1. Connect the monitor TV to the video output terminal and terminate at 75 Ohms.
2. Play back the color bar part Title 12 of the DVD Test Disc.
3. Adjust the VR701 so that the luminance signal (Y+S) output is as shown below.

Adjustment Value = 1000 mVp-p ±20 mV



Luminance Signal Output

2. Video Output (Interlace) Adjustment

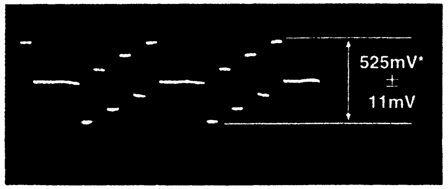
Measurement Point	Adjustment Point	Mode	Disc
CB Output Pin terminal	VR702	Color Bar 75% T12 Playback	DVDT-SO1
Measuring Device: Oscilloscope 100 mV/div, 10 µs/div			
Adjustment Value: *525 mVp-p ±11 mV Europe/Asia models			

Note: CB Output should be 75 Ω terminal

For compatibility of video signal output.

1. Connect the oscilloscope to CB output Pin terminal for CH-1 and CR output Pin terminal for CH-2. (Trigger)
2. Playback the color bar part title 12 of the DVD Test Disc.
3. Adjust the VR702 so that the CB signal output is as shown below.

Adjustment Value = *525 mVp-p ±11mV

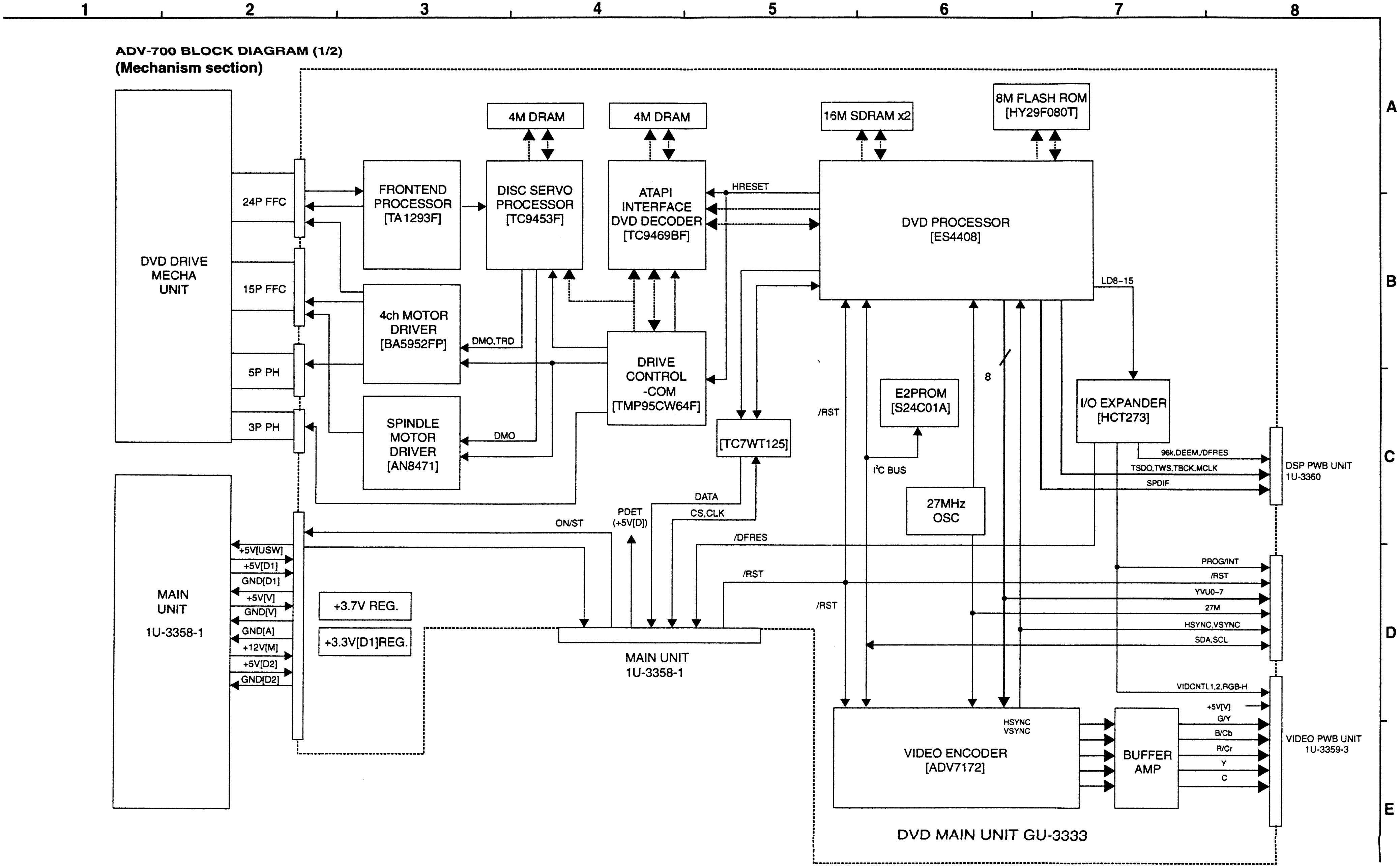


CB Signal Output

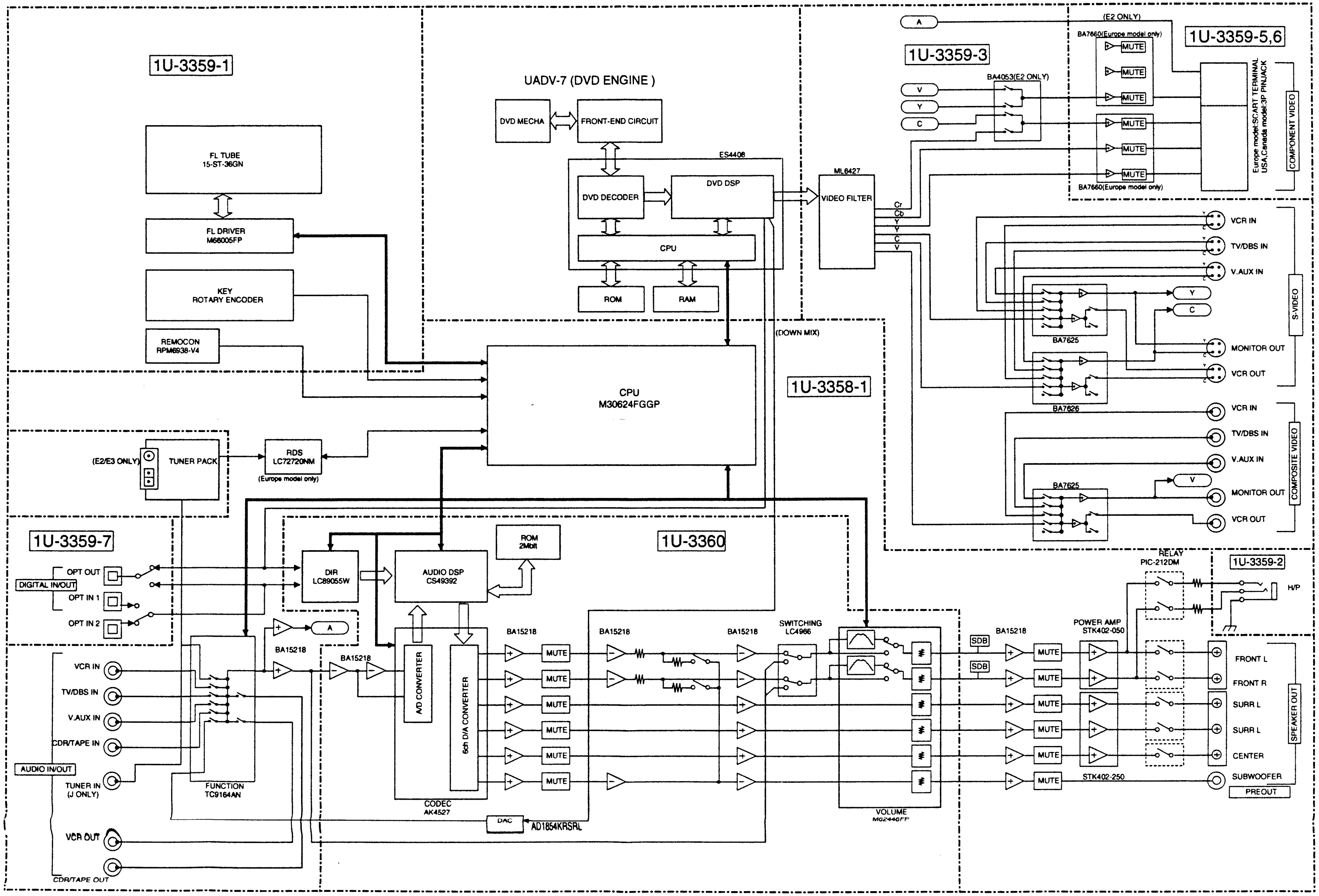
*: 486 mVp-p ±11mV for U.S.A. & Canada model

BLOCK DIAGRAMS

ADV-700 BLOCK DIAGRAM (1/2)
(Mechanism section)

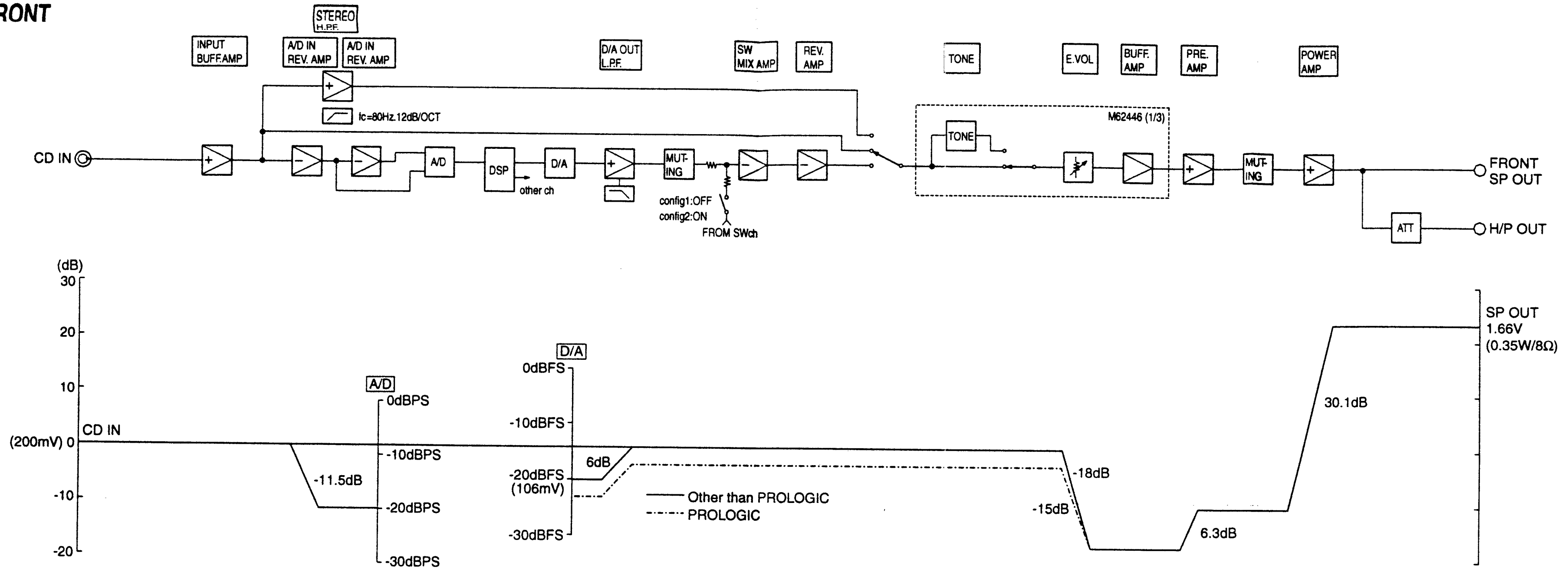

1
2
3
4
5
6
7
8
A
B
C
D
E
DVD DRIVE MECHA UNIT
24P FFC
15P FFC
5P PH
3P PH
FRONTEND PROCESSOR [TA1293F]
4ch MOTOR DRIVER [BA5952FP]
SPINDLE MOTOR DRIVER [AN8471]
4M DRAM
DISC SERVO PROCESSOR [TC9453F]
4M DRAM
ATAPI INTERFACE DVD DECODER [TC9469BF]
DRIVE CONTROL -COM [TMP95CW64F]
DMO,TRD
DMO
HRESET
16M SDRAM x2
8M FLASH ROM [HY29F080T]
DVD PROCESSOR [ES4408]
LD8~15
[TC7WT125]
/RST
E2PROM [S24C01A]
I²C BUS
8
I/O EXPANDER [HCT273]
27MHz OSC
96k,DEEM,/DFRES
TSDO,TWS,TBCK,MCLK
SPDIF
DSP PWB UNIT 1U-3360
MAIN UNIT 1U-3358-1
+5V[USW]
+5V[D1]
GND[D1]
+5V[V]
GND[V]
GND[A]
+12V[M]
+5V[D2]
GND[D2]
+3.7V REG.
+3.3V[D1]REG.
ON/ST
PDET (+5V[D])
DATA
CS,CLK
/DFRES
/RST
/RST
MAIN UNIT 1U-3358-1
PROG/INT
/RST
YVU0~7
27M
HSYNC,VSYNC
SDA,SCL
VIDCNTL1,2,RGB-H
+5V[V]
G/Y
B/Cb
R/Cr
Y
C
VIDEO PWB UNIT 1U-3359-3
HSYNC VSYNC
VIDEO ENCODER [ADV7172]
BUFFER AMP
DVD MAIN UNIT GU-3333

ADV-700 BLOCK DIAGRAM (2/2)

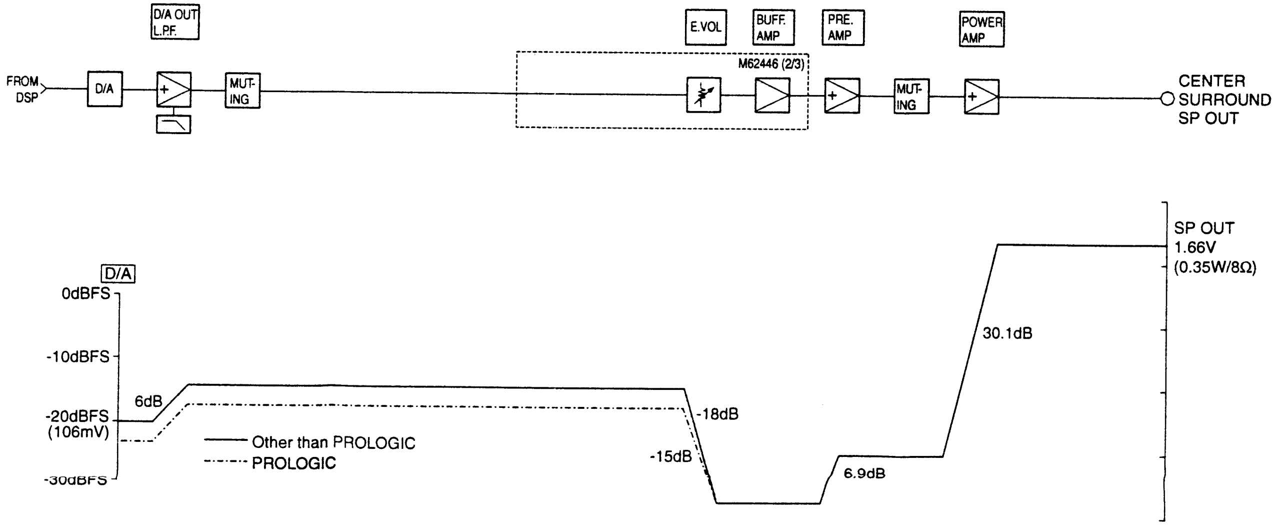

1
2
3
4
5
6
7
8
A
B
C
D
E
1U-3359-1
FL TUBE 15-ST-36GN
FL DRIVER M66005FP
KEY ROTARY ENCODER
REMOCON RPM6938-V4
UADV-7 (DVD ENGINE)
DVD MECHA
FRONT-END CIRCUIT
ES4408
DVD DECODER
DVD DSP
CPU
ROM
RAM
(DOWN MIX)
CPU M30624FGGP
1U-3358-1
(E2/E3 ONLY)
TUNER PACK
RDS LC72720NM
(Europe model only)
ML6427
VIDEO FILTER
Cr
Cb
Y
Y
C
V
1U-3359-3
A
V
Y
C
BA4053(E2 ONLY)
(E2 ONLY)
BA7660(Europe model only)
MUTE
BA7660(Europe model only)
1U-3359-5,6
Europe model:SCART TERMINAL
USA,Canada model:3P PINJACK
COMPONENT VIDEO
VCR IN
TV/DBS IN
V.AUX IN
MONITOR OUT
VCR OUT
S-VIDEO
BA7625
BA7626
BA7625
COMPOSITE VIDEO
1U-3359-7
DIGITAL IN/OUT
OPT OUT
OPT IN 1
OPT IN 2
DIR LC89055W
AUDIO DSP CS49392
ROM 2Mbit
1U-3360
AUDIO IN/OUT
VCR IN
TV/DBS IN
V.AUX IN
CDR/TAPE IN
TUNER IN (J ONLY)
VCR OUT
CDR/TAPE OUT
FUNCTION TC9164AN
BA15218
A/D CONVERTER
6ch D/A CONVERTER
CODEC AK4527
DAC
AD1854KRSRL
BA15218
MUTE
BA15218
BA15218
SWITCHING LC4966
VOLUME M62446FP
SDB
SDB
BA15218
POWER AMP STK402-050
STK402-250
RELAY PIC-212DM
1U-3359-2
H/P
FRONT L
FRONT R
SURR L
SURR L
CENTER
SUBWOOFER
PREOUT
SPEAKER OUT

LEVEL DIAGRAMS

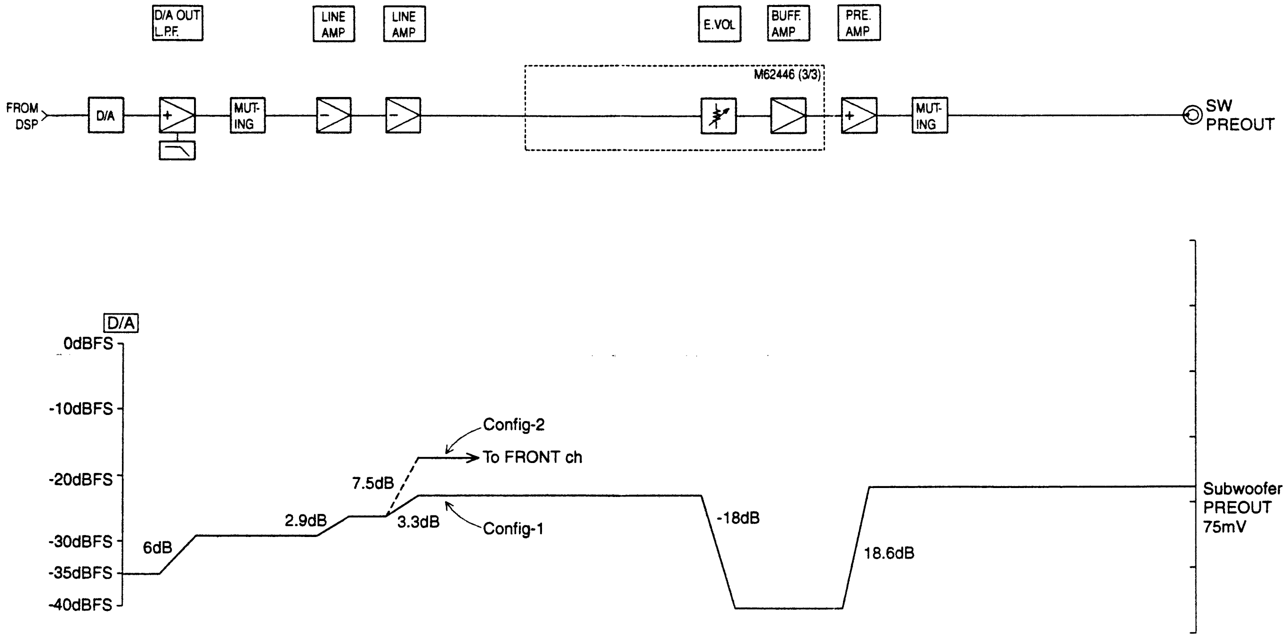
FRONT


STEREO H.P.F.
INPUT BUFF.AMP
A/D IN REV. AMP
A/D IN REV. AMP
D/A OUT L.P.F.
SW MIX AMP
REV. AMP
TONE
E.VOL
BUFF. AMP
PRE. AMP
POWER AMP
fc=80Hz.12dB/OCT
M62446 (1/3)
CD IN
A/D
DSP
D/A
other ch
MUT-ING
config1:OFF
config2:ON
FROM SWch
TONE
MUT-ING
FRONT SP OUT
ATT
H/P OUT
(dB)
30
20
10
(200mV) 0
-10
-20
CD IN
-11.5dB
A/D
0dBPS
-10dBPS
-20dBPS
-30dBPS
D/A
0dBFS
-10dBFS
-20dBFS (106mV)
-30dBFS
6dB
Other than PROLOGIC
PROLOGIC
-18dB
-15dB
6.3dB
30.1dB
SP OUT 1.66V (0.35W/8Ω)

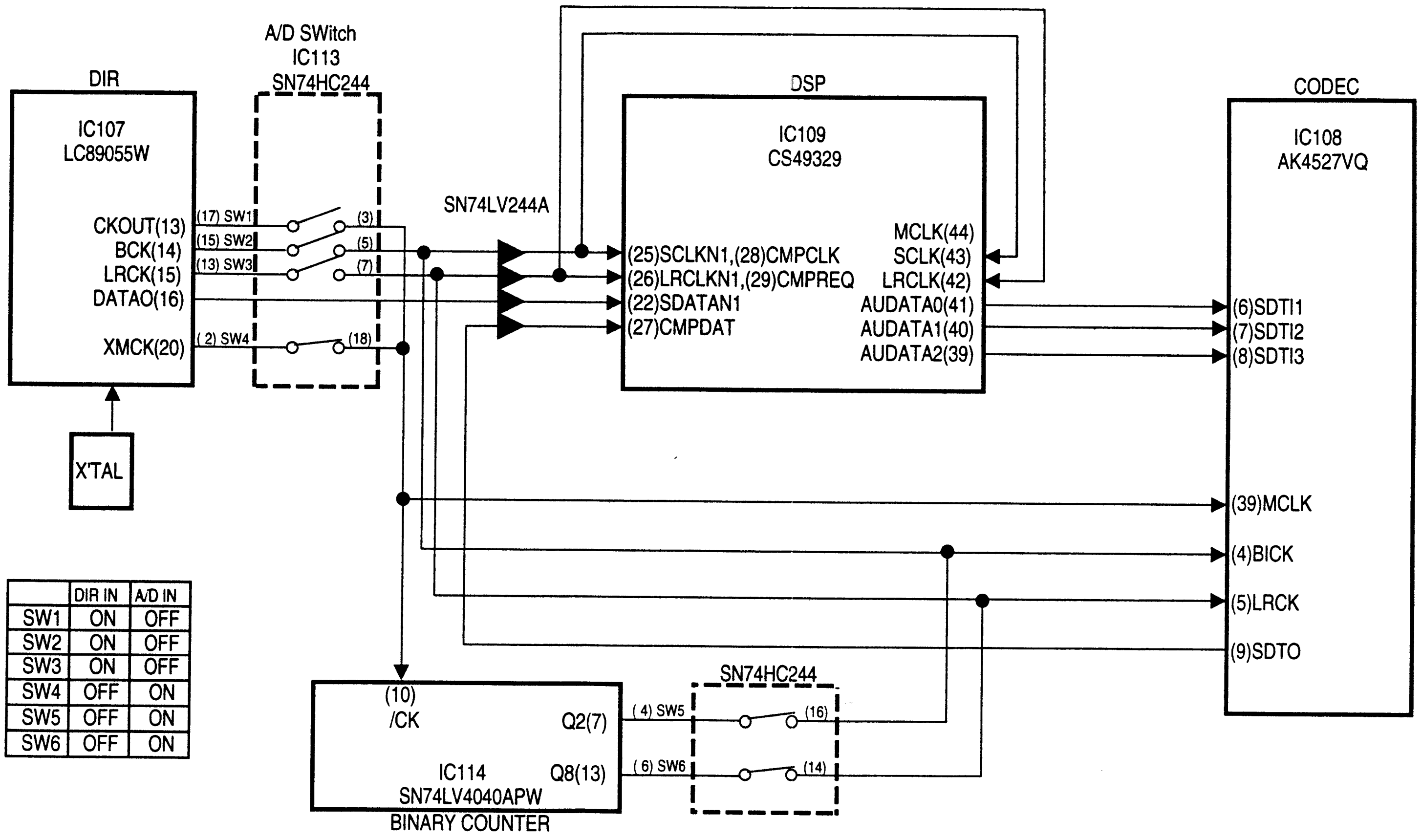
CENTER SURROUND


D/A OUT L.P.F.
E.VOL
BUFF. AMP
PRE. AMP
POWER AMP
M62446 (2/3)
FROM DSP
D/A
MUT-ING
MUT-ING
CENTER SURROUND SP OUT
D/A
0dBFS
-10dBFS
-20dBFS (106mV)
-30dBFS
6dB
Other than PROLOGIC
PROLOGIC
-18dB
-15dB
6.9dB
30.1dB
SP OUT 1.66V (0.35W/8Ω)

SUBWOOFER


D/A OUT L.P.F.
LINE AMP
LINE AMP
E.VOL
BUFF. AMP
PRE. AMP
M62446 (3/3)
FROM DSP
D/A
MUT-ING
MUT-ING
SW PREOUT
D/A
0dBFS
-10dBFS
-20dBFS
-30dBFS
-35dBFS
-40dBFS
6dB
2.9dB
7.5dB
3.3dB
Config-2
To FRONT ch
Config-1
-18dB
18.6dB
Subwoofer PREOUT 75mV

CLOCK FLOW


DIR
IC107
LC89055W
CKOUT(13)
BCK(14)
LRCK(15)
DATAO(16)
XMCK(20)
X'TAL
A/D SWitch
IC113
SN74HC244
(17) SW1
(15) SW2
(13) SW3
(2) SW4
(3)
(5)
(7)
(18)
SN74LV244A
DSP
IC109
CS49329
(25)SCLKN1,(28)CMPCLK
(26)LRCLKN1,(29)CMPREQ
(22)SDATAN1
(27)CMPDAT
MCLK(44)
SCLK(43)
LRCLK(42)
AUDATA0(41)
AUDATA1(40)
AUDATA2(39)
CODEC
IC108
AK4527VQ
(6)SDTI1
(7)SDTI2
(8)SDTI3
(39)MCLK
(4)BICK
(5)LRCK
(9)SDTO
(10)
/CK
Q2(7)
Q8(13)
IC114
SN74LV4040APW
BINARY COUNTER
SN74HC244
(4) SW5
(6) SW6
(16)
(14)

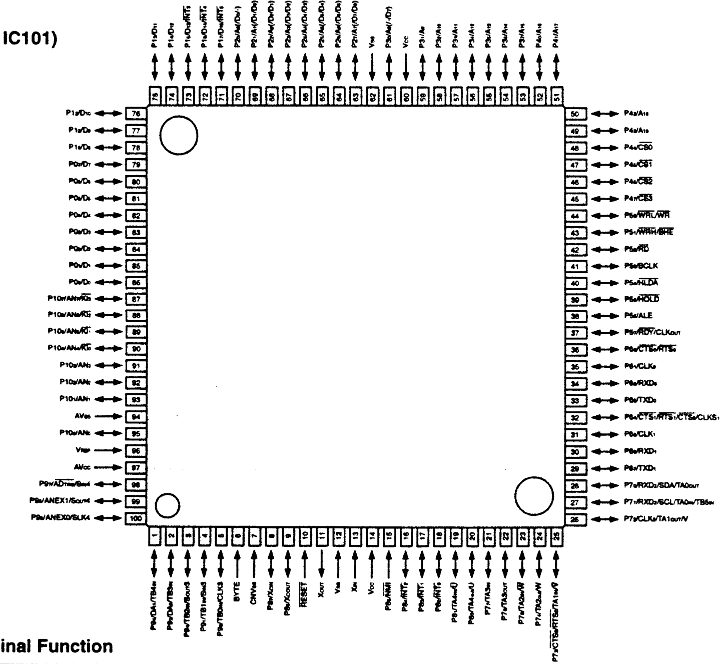
	DIR IN	A/D IN
SW1	ON	OFF
SW2	ON	OFF
SW3	ON	OFF
SW4	OFF	ON
SW5	OFF	ON
SW6	OFF	ON

SEMICONDUCTORS

● IC's

Note: Abbreviation ahead of IC No. indicates the name of P.W.B.
DVD: DVD Main P.W.B.
MA: Main P.W.B.
D/V: Display / Video P.W.B.
DS: DSP P.W.B.

M30624FG (MA: IC101)

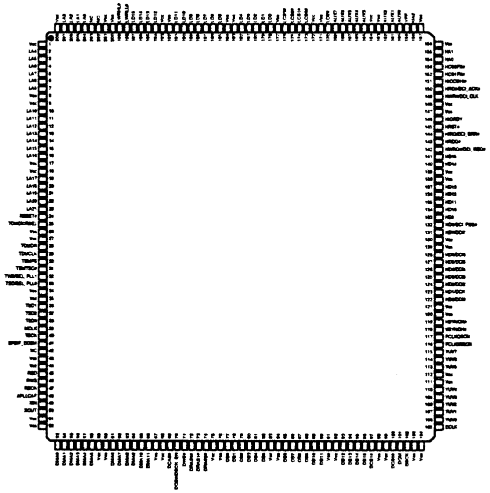


M30624FG Terminal Function

Pin No.	Port Name	Symbol	Function
1	P94	E2P CS	Chip select signal to EEPROM
2	P93	62446 LATCH	Serial data latch to E. VR IC
3	P92	62446 DATA, E2P DI, FUNC DA	Serial data to EEPROM/E. VR IC/Input Switch IC
4	P91	E2P DO	Serial data from EEPROM
5	P90	62446 CLK, E2P SK, FUNC CLK	Serial clock to EEPROM/E. VR IC/Input Switching IC
6	BYTE	(VSS)	GND
7	CNVSS	(PullDown), FLASH CNVss	Flash write mode select input
8	P87	BUS ON/OFF	Serial data/clock separate command output to E. VR IC
9	P86	FUNC CE(STB)	Data latch to Input Switch IC
10	RESET	RESET	Reset input
11	XOUT	XTAL(12.5MHz)	Oscillator output (12.5 MHz)
12	VSS	(VSS)	GND
13	XIN	XTAL(12.5MHz)	Oscillator input (12.5 MHz)
14	*VCC*	*(VCC)*	*Power supply*
15	P85	(PullUp)	NMI, not used
16	P84	PROTECT	Speaker and Drive IC abnormal detect
17	P83	/CS	Comm. chip select input with DVD

Pin No.	Port Name	Symbol	Function
18	P82	RESERVED(DENON BUS)	Arbitration input on DENON BUS (same as serial data)
19	P81	50/60	Detect input of power pulse (50/60 Hz)
20	P80	FAN ON/OFF	Fan motor drive output
21	P77	IN JOGB	JOG pulse input B for function switching
22	P76	IN JOGA	JOG pulse input A for function switching
23	P75	VOL JOGB	JOG pulse input B for VOL
24	P74	VOL JOGA	JOG pulse input A for VOL
25	P73	FLCS	Chip select output to FL Driver IC
26	P72	RESERVED(DENON BUS)	Serial sync clock output on DENON BUS
27	P71	RESERVED(DENON BUS)	Serial data input on DENON BUS
28	P70	RESERVED(DENON BUS)	Serial data output on DENON BUS
29	P67	FLDA, FLASH TxD	Serial data output to FL Driver IC
30	P66	PULL DOWN, FLASH RxD	Open pin, serial data input at flash write
31	P65	FLCK, FALSH MODE, FLASH CLK	Serial clock output to FL Driver IC
32	P64	FL RESET, FLASH BUSY	Reset output to FL Driver IC
33	P63	sDATAout(DVD)	Serial comm. output with DVD
34	P62	sDATAin(DVD)	Serial comm. input with DVD
35	P61	SCLK(DVD)	Serial comm. clock input with DVD
36	P60	PWRON(DVD)	Power control output for DVD unit
37	RDY/P57	/RESET	Reset output to DVD unit
38	ALE/P56	H/P SW	Headphone on/off detect input
39	HOLD/P55	LED G, FLASH EPM	Control output to power indicator LED green
40	HLDA/P54	/DFRES	Reset detect signal for DVD unit
41	BCLK/P53	DVD ON/OFF	Power control output for DVD unit
42	RD/P52	RGB H	Composite/S/RGB switching, aspect ratio switching
43	WRH/BHE/P51	VCNT1/YC H	Aspect ratio switching input (16:9, 4:3LB, 4:3)
44	WRL/WR/P50	LED R, FLASH CE	Control output to power indicator LED red
45	CS3/P47	VCNT2/WIDE	Aspect ratio switching input (16:9, 4:3LB, 4:3), WIDE
46	CS2/P46	DSEL1	Digital in/out select output
47	CS1/P45	S-SEL	Select output of monitor source internal/external
48	CS0/P44	A	Select output A of external input source
49	A19/P43	B	Select output B of external input source
50	A18/P42	C	Select output C of external input source
51	A17/P41	SCART MUTE	Mute output of SCART pin
52	A16/P40	TEMP	Temp. sensor input
53	A15/P37	DSEL2	Open
54	A14/P36	SDB ON/OFF	SDB ON/OFF output
55	A13/P35	FRT MUTE(VR MUTE)	Mute output of all channel (mute output of front channel)
56	A12/P34	SW MUTE	Mute output of sub-woofer channel
57	A11/P33	RL FRONT	Speaker relay ON/OFF output of front channel
58	A10/P32	RL SURR	Speaker relay ON/OFF output of surround channel
59	A9/P31	RL CENT	Speaker relay ON/OFF output of center channel
60	VCC	(VCC)	Power supply
61	A8/P30	RL HP	Headphone relay ON/OFF output
62	VSS	(VSS)	GND
63	A7/P27	OPEN	Open
64	A6/P26	STEREO	Tuner's stereo indicator input
65	A5/P25	TUNED	Tuner's station detect input
66	A4/P24	T.MUTE	Tuner's mute output
67	A3/P23	SANYO CE	Comm. chip enable output to PLL/RDS IC of tuner
68	A2/P22	SANYO DI	Serial data output to PLL/RDS IC of tuner
69	A1/P21	SANYO CLK	Serial clock output to PLL/RDS IC of tuner
70	A0/P20	SANYO DO	Serial data input from PLL/RDS IC of tuner
71	D15/P17	INTREQ OUT	Comm. request input from surround DSP
72	D14/P16	89055 CSFLAG	Signal change detect input from DIR
73	D13/P15	REMOTE	IR remote control input
74	D12/P14	/SYR	Reset output to RDS IC of tuner
75	D11/P13	INTREQ IN	Open drain operation (L: output, H: switch to input)
76	D10/P12	4932 CE	Serial comm. chip enable output to surround DSP
77	D9/P11	4932 RST	Reset output to surround DSP
78	D8/P10	4527 CE	Serial comm. chip enable output to CODEC(AD/DA)
79	D7/P07	ROM/RAM	ROM/RAM used surround DSP select output
80	D6/P06	ROM2	ROM address used surround DSP select output
81	D5/P05	ROM3	ROM address used surround DSP select output
82	D4/P04	ROM30	ROM address used surround DSP select output
83	D3/P03	ERR MUTE	Digital mute output when error
84	D2/P02	SEL CLK	Data clock select output
85	D1/P01	4527 RST	Reset output to CODEC
86	D0/P00	89055 CE	Serial comm. enable output to DIR
87	P107	96 DET	96kHz sampling signal detect input from DIR
88	P106	89055 ERR	Error input from DIR
89	P105	89055 RST	Reset output to DIR
90	P104	P.ON/OFF	Whole unit's power ON/OFF (standby) output
91	P103	AAC	AAC function on/off select input
92	P102	MODE1	Unit's operation spec select input
93	P101	KEY 0	Button operation detect input
94	AVSS	(VSS)	GND
95	P100	KEY 1	Button operation detect input
96	VREF	(VCC)	Ref. V input for A/D conversion
97	AVCC	(VCC)	Power supply
98	P96	89055 DO, 4932 DO	Serial data input from DIR/CODEC/DSP
99	P97	89055 DIN, 4527 DIN, 4932 DIN	Serial data output to DIR/CODEC/DSP
100	P95	89055 CLK, 4527 CLK, 4932 CLK	Serial clock output to DIR/CODEC/DSP

ES4408F (DVD: IC101)



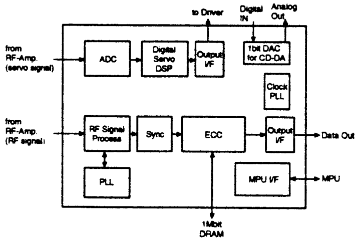
ES4408F Terminal Function

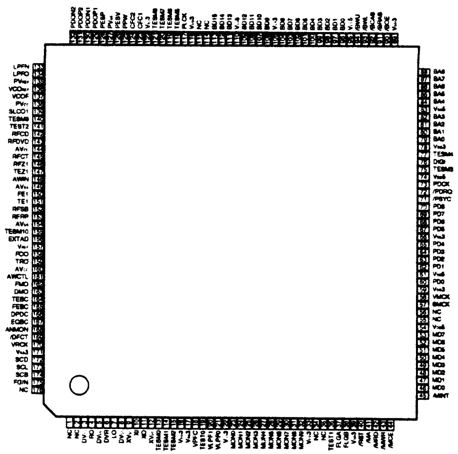
Pin No.	Pin Name	I/O	Function	Pin No.	Pin Name	I/O	Function
1	Vcc	I	3.6V power supply	29	TDMCLK	I	TDM clock input
2	LA 4	O	Device address output	30	TDMFS	I	TDM frame sync
3	LA 5	O	Device address output	31	TDMTSC#	O	TDM output enable, active low
4	LA 6	O	Device address output	32	TWS	O	Audio transmit frame sync
5	LA 7	O	Device address output		SEL_PLL1	I	Select PLL1
6	LA 8	O	Device address output	33	TSD0	O	Audio transmit serial data port0
7	LA 9	O	Device address output		SEL_PLL0	I	Select PLL0
8	Vss	I	GND	34	Vss	I	GND
9	Vcc	I	3.6V power supply	35	Vcc	I	3.6V power supply
10	LA 10	O	Device address output	36	TSD1	O	Audio transmit serial data port1
11	LA 11	O	Device address output	37	TSD2	O	Audio transmit serial data port2
12	LA 12	O	Device address output	38	TSD3	O	Audio transmit serial data port3
13	LA 13	O	Device address output	39	MCLK	I/O	Audio master clock for audio DAC
14	LA 14	O	Device address output	40	TBCK	I/O	Audio transmit bit clock
15	LA 15	O	Device address output	41	SPDIF_DOBM	O	S/PDIF (IEC958) format output
16	LA 16	O	Device address output	42	NC		No connect pin
17	Vss	I	GND	43	Vss	I	GND
18	Vcc	I	3.6V power supply	44	Vcc	I	3.6V power supply
19	LA 17	O	Device address output	45	RSD	I	Audio receive serial data
20	LA 18	O	Device address output	46	RWS	I	Audio receive frame sync
21	LA 19	O	Device address output	47	RBCK	I	Audio receive bit clock
22	LA 20	O	Device address output	48	APLLCAP	I	Analog PLL capacitor
23	LA 21	O	Device address output	49	XIN	I	Crystal input
24	RESET#	I	Reset input, active low	50	XOUT	O	Crystal output
25	TDMDX	O	TDM transmit data	51	Vcc	I	3.6V power supply
	RSEL	I	ROM select	52	Vss	I	GND
26	Vss	I	GND	53	DMA 0	O	DRAM address bus
27	Vcc	I	3.6V power supply	54	DMA 1	O	DRAM address bus
28	TDMDR	I	TDM receive data	55	DMA 2	O	DRAM address bus

Pin No.	Pin Name	I/O	Function	Pin No.	Pin Name	I/O	Function
56	DMA 3	O	DRAM address bus	108	YUV 2	O	8-bit YUV output
57	DMA 4	O	DRAM address bus	109	YUV 3	O	8-bit YUV output
58	DMA 5	O	DRAM address bus	110	YUV 4	O	8-bit YUV output
59	Vcc	I	3.6V power supply	111	Vcc	I	3.6V power supply
60	Vss	I	GND	112	Vss	I	GND
61	DMA 6	O	DRAM address bus	113	YUV 5	O	8-bit YUV output
62	DMA 7	O	DRAM address bus	114	YUV 6	O	8-bit YUV output
63	DMA 8	O	DRAM address bus	115	YUV 7	O	8-bit YUV output
64	DMA 9	O	DRAM address bus	116	PCLK2XSCN	I/O	2X pixel clock
65	DMA 10	O	DRAM address bus	117	PCLKQSCN	I/O	Pixel clock
66	DMA 11	O	DRAM address bus	118	VSYNCH#	I/O	Vertical sync for screen video interface, programmable for rising or falling edge, active low
67	Vss	I	GND				
68	Vcc	I	3.6V power supply				
69	DCAS#	O	Column address strobe, active low	119	HSYNCH#	I/O	Horizontal sync for screen video interface, programmable for rising or falling edge, active low
70	DOE#	O	Output enable, active low				
	DSCK_EN	I	Clock enable, active low	120	Vss	I	GND
71	DWE#	O	DRAM write enable, active low	121	Vcc	I	3.6V power supply
72	DRAS 0#	O	Row address strobe, active low	122	HD 0	I/O	Host data bus
73	DRAS 1#	O	Row address strobe, active low	123	HD 1	I/O	Host data bus
74	DRAS 2#	O	Row address strobe, active low	124	HD 2	I/O	Host data bus
75	Vcc	I	3.6V power supply	125	HD 3	I/O	Host data bus
76	Vss	I	GND	126	HD 4	I/O	Host data bus
77	DB 0	I/O	DRAM data bus	127	HD 5	I/O	Host data bus
78	DB 1	I/O	DRAM data bus	128	HD 6	I/O	Host data bus
79	DB 2	I/O	DRAM data bus	129	Vss	I	GND
80	DB 3	I/O	DRAM data bus	130	Vcc	I	3.6V power supply
81	DB 4	I/O	DRAM data bus	131	HD 7	I/O	Host data bus
82	DB 5	I/O	DRAM data bus	132	HD 8	I/O	Host data bus
83	Vcc	I	3.6V power supply	133	HD 9	I/O	Host data bus
84	Vss	I	GND	134	HD 10	I/O	Host data bus
85	DB 6	I/O	DRAM data bus	135	HD 11	I/O	Host data bus
86	DB 7	I/O	DRAM data bus	136	HD 12	I/O	Host data bus
87	DB 8	I/O	DRAM data bus	137	HD 13	I/O	Host data bus
88	DB 9	I/O	DRAM data bus	138	Vss	I	GND
89	DB 10	I/O	DRAM data bus	139	Vcc	I	3.6V power supply
90	DB 11	I/O	DRAM data bus	140	HD 14	I/O	Host data bus
91	Vss	I	GND	141	HD 15	I/O	Host data bus
92	Vcc	I	3.6V power supply	142	HWRQ#	O	Host write request
93	DB 12	I/O	DRAM data bus	143	HRDQ#	O	Host read request
94	DB 13	I/O	DRAM data bus	144	HIRQ	I/O	Host interrupt
95	DB 14	I/O	DRAM data bus	145	HRST#	O	Host reset
96	DB 15	I/O	DRAM data bus	146	HIORDY	I	Host I/O ready
97	DCS 1#	O	SDRAM chip select [1], active low	147	Vss	I	GND
98	Vss	I	GND	148	Vcc	I	3.6V power supply
99	Vcc	I	3.6V power supply	149	HWR#	O	Host write request
100	DCS 0#	O	SDRAM chip select [0], active low		HWR#/DCI_ACK#	I, I	Host write / DCI interface acknowledge signal, active low
101	DQM	O	Data input/output mask				
102	DSCK	O	Clock to SDRAM	150	HRD#/DCI_CLK	I, I	Host read / DCI interface clock
103	Vss	I	GND	151	HIOCS16#	I	Device 16-bit data transfer
104	Vcc	I	3.6V power supply	152	HCS1FX#	O	Host select 1
105	DCLK	I	Clock input (27MHz)	153	HCS3FX#	O	Host select 3
106	YUV 0	O	8-bit YUV output	154	HA 0	I/O	Host address bus
107	YUV 1	O	8-bit YUV output	155	HA 1	I/O	Host address bus

Pin No.	Pin Name	I/O	Function
156	Vss	I	GND
157	Vcc	I	3.6V power supply
158	HA 2	I/O	Host address bus
159	VPP	I	Peripheral protection voltage
160	AUX 0	I/O	Auxiliary port, (SDATA) I/O
161	AUX 1	I/O	Auxiliary port, (SCLK) O
162	AUX 2	I/O	Auxiliary port, (VFD DATA) I/O
163	Vss	I	GND
164	Vcc	I	3.6V power supply
165	AUX 3	I/O	Auxiliary port, (AMUTE) O
166	AUX 4	I/O	Auxiliary port, (IR) I
167	AUX 5	I/O	Auxiliary port, (POWER) I
168	AUX 6	I/O	Auxiliary port, (VFDCS) O
169	AUX 7	I/O	Auxiliary port, (VFDCLK) O
170	LOE#	O	Device output enable, active low
171	Vss	I	GND
172	Vcc	I	3.6V power supply
173	LCS 0#	O	Chip select [0], active low
174	LCS 1#	O	Chip select [1], active low
175	LCS 2#	O	Chip select [2], active low
176	LCS 3#	O	Chip select [3], active low
177	Vss	I	GND
178	LD 0	I/O	Device data bus
179	LD 1	I/O	Device data bus
180	LD 2	I/O	Device data bus
181	LD 3	I/O	Device data bus
182	LD 4	I/O	Device data bus
183	Vcc	I	3.6V power supply
184	Vss	I	GND
185	LD 5	I/O	Device data bus
186	LD 6	I/O	Device data bus
187	LD 7	I/O	Device data bus
188	LD 8	I/O	Device data bus
189	LD 9	I/O	Device data bus
190	LD 10	I/O	Device data bus
191	LD 11	I/O	Device data bus
192	Vss	I	GND
193	Vcc	I	3.6V power supply
194	LD 12	I/O	Device data bus
195	LD 13	I/O	Device data bus
196	LD 14	I/O	Device data bus
197	LD 15	I/O	Device data bus
198	LWRLL#	O	Device write enable, active low
199	LWRHL#	O	Device write enable, active low
200	Vss	I	GND
201	Vcc	I	3.6V power supply
202	NC		No connect pin
203	NC		No connect pin
204	LA 0	O	Device address output
205	LA 1	O	Device address output
206	LA 2	O	Device address output
207	LA 3	O	Device address output
208	Vss	I	GND

TC9453F (DVD: IC505)





TC9453F Terminal Function

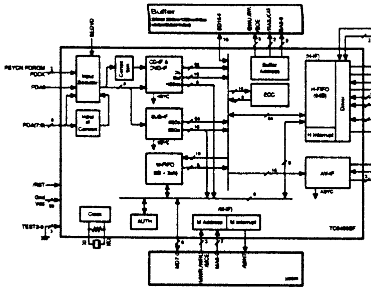
Pin No.	Pin Name	I/O	Function
1	NC		—
2	NC		—
3	DVss		GND for DAC
4	RO	O	R-ch output signal, Analog output pin
5	DVDD		Power for DAC
6	DVR	O	Amp ref. signal output, Analog input pin
7	LO	O	L-ch output signal, Analog output pin
8	DVss		GND for DAC
9	XVss		GND for oscillator
10	XI	I	X'tal osc. input, Analog input pin
11	XO	O	X'tal osc. output, Analog output pin
12	XVDD		Power for oscillator
13	TESM0		Test pin, Connect to GND
14	TESM1		Test pin, Open
15	TESM2		Test pin, Connect to VDD3
16	VDD3		3.3V digital power
17	Vss3		3.3V digital GND
18	VPFC	O	Clock PLL block phase/freq. comparator out, Analog output pin
19	TEST0	I	Test mode pin, Connect to VDD3
20	VLPFI	I	VCO block filter input for clock PLL, Analog input pin
21	VLPFO	O	VCO block filter output for clock PLL, Analog output pin
22	Vss3		3.3V digital GND
23	MON0	O	Test monitor
24	MON1	O	Test monitor
25	MON2	O	Test monitor
26	MON3	O	Test monitor
27	MON4	O	Test monitor
28	MON5	O	Test monitor
29	MON6	O	Test monitor
30	MON7	O	Test monitor
31	MON8	O	Test monitor
32	MON9	O	Test monitor
33	VDD3		3.3V digital power
34	NC		—
35	NC		—
36	TEST1	I	Test mode pin, Connect to VDD3
37	FLGA	I/O	Universal I/O or flag monitor
38	FLGB	I/O	Universal I/O or flag monitor
39	Vss3		3.3V digital GND
40	/RST	I	Reset pin, Pull-up resister built-in

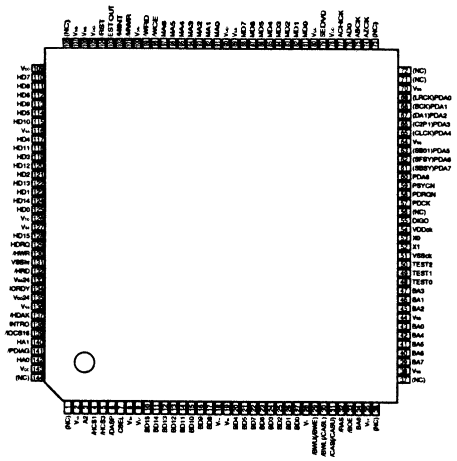
Pin No.	Pin Name	I/O	Function
41	/MA	I	µcom address enable signal, Fail-safe pin
42	/MRD	I	µcom data read signal, Fail-safe pin
43	/MWR	I	µcom data write signal, Fail-safe pin
44	/MCE	I	µcom chip enable signal, Fail-safe pin
45	/MINT	O	µcom interrupt signal, Open drain pin
46	MD0	O	µcom data bus
47	MD1	O	µcom data bus
48	MD2	O	µcom data bus
49	MD3	O	µcom data bus
50	MD4	O	µcom data bus
51	MD5	O	µcom data bus
52	MD6	O	µcom data bus
53	MD7	O	µcom data bus
54	VDD5		Power for 5V
55	NC		—
56	NC		—
57	SMCK	O	22M block clock output
58	VMCK	O	Data output block (signal processing system) clock output
59	VDD3		3.3V digital power
60	PD0	O	DVD/CD data output
61	VSS5		GND for 5V
62	PD1	O	DVD/CD data output
63	PD2	O	DVD/CD data output
64	PD3	O	DVD/CD data output
65	PD4	O	DVD/CD data output
66	VSS3		3.3V digital GND
67	PD5	O	DVD/CD data output
68	PD6	O	DVD/CD data output
69	PD7	O	DVD/CD data output
70	PD8	O	DVD/CD data output
71	/PSYC	O	DVD data sector sync signal
72	/PDRQ	O	DVD data transfer block
73	PDCK	O	DVD data transfer clock
74	VDD5		Power for 5V
75	TESM3		Test pin, Connect to VSS5
76	DIGI	I	1bit DAC digital-in input
77	TESM4		Test pin, Connect to VSS5
78	VDD3		3.3V digital power
79	BA0	O	External RAM address output
80	BA1	O	External RAM address output
81	BA2	O	External RAM address output
82	BA3	O	External RAM address output
83	VSS5		GND for 5V
84	BA4	O	External RAM address output
85	BA5	O	External RAM address output
86	BA6	O	External RAM address output
87	BA7	O	External RAM address output
88	BA8	O	External RAM address output
89	VDD3		3.3V digital power
90	/BOE	O	External RAM/OE signal
91	/BRAS	O	External RAM/RAS signal
92	/BCAS	O	External RAM/CAS signal
93	/BWL	O	External RAM Lower/WE signal
94	/BWU	O	External RAM Upper/WE signal
95	VDD5		Power for 5V
96	BD0	I/O	External RAM data in/output
97	BD1	I/O	External RAM data in/output
98	BD2	I/O	External RAM data in/output
99	BD3	I/O	External RAM data in/output
100	BD4	I/O	External RAM data in/output
101	BD5	I/O	External RAM data in/output
102	BD6	I/O	External RAM data in/output
103	BD7	I/O	External RAM data in/output
104	BD8	I/O	External RAM data in/output
105	VSS3		3.3V digital GND
106	BD9	I/O	External RAM data in/output
107	BD10	I/O	External RAM data in/output
108	BD11	I/O	External RAM data in/output

Pin No.	Pin Name	I/O	Function
109	BD12	I/O	External RAM data in/output
110	VSS5		GND for 5V
111	BD13	I/O	External RAM data in/output
112	BD14	I/O	External RAM data in/output
113	BD15	I/O	External RAM data in/output
114	NC		—
115	NC		—
116	VDD3		3.3V digital power
117	PLCK	I/O	PLL block clock in/output
118	TESM5		Test pin, Connect to GND
119	TESM6		Test pin, Connect to GND
120	TESM7		Test pin, Open
121	TESM8		Test pin, Open
122	VSS3		3.3V digital GND
123	CFC1	O	VCO frequency control signal, Analog output pin
124	CFC2	O	VCO frequency control signal, Analog output pin
125	PPW	O	Phase comparator offset adj. V out, Analog output pin
126	PESV	I	Phase comparator offset adj. sig. in, Analog input pin
127	PVSS		GND for 3.3V PLL block
128	PESP	O	Phase comparator offset adj. sig. out, Analog output pin
129	PDOP1	O	DVD/CD phase control sig. (positive), Analog output pin
130	PDON1	O	DVD/CD phase control sig. (negative), Analog output pin
131	PDOP2	O	DVD/CD phase control sig. (positive), Analog output pin
132	PDON2	O	DVD/CD phase control sig. (negative), Analog output pin
133	LPFN	I	Data PLL low pass filter inverted input, Analog input pin
134	LPFO	O	Data PLL low pass filter output, Analog output pin
135	PVREF		Ref. V for data PLL block
136	VCOREF	I	VCO reference, Analog input pin
137	VCOF	I	VCO auto-adj. filter out, Analog input pin
138	PVDD		Power for 3.3V PLL block
139	SLCO1	O	Data slice 6bitDAC out, Analog output pin
140	TESM9		Test pin, Open
141	TEST2	I	Test mode pin, Connect to VDD3
142	RFCD	I	CD RF signal input, Analog input pin
143	RFDVD	I	DVD RF signal input, Analog input pin
144	AVDD		Power for 3.3V analog block
145	RFCT	I	RFRP center V input (zero-cross intake), Analog input pin
146	RFZI	I	RFRP signal input (zero-cross intake), Analog input pin
147	TEZI	I	Tracking error signal input (zero-cross intake), Analog input pin
148	AWIN	I	Active wide PLL control signal input, Analog input pin
149	AVSS		GND for 3.3V analog block
150	FEI	I	Focus error signal input, Analog input pin
151	TEI	I	Tracking error signal input, Analog input pin
152	RFSB	I	RF level or sub beam signal add input, Analog input pin
153	RFRP	I	RFRP signal input, Analog input pin
154	SAVSS		GND for 3.3V analog block
155	TESM10		Test pin, Connect to VREF
156	EXTAD	I	Universal outside ADC input, Analog input pin
157	VREF		Ref. V (1.65V) for analog block
158	FOO	O	Focus EQ output, Analog output pin
159	TRO	O	Tracking EQ output, Analog output pin
160	AVDD		Power for 3.3V analog block
161	AWCTL	O	Active wide PLL control output, Analog output pin
162	FMO	O	Focus EQ output, Analog output pin
163	DMO	O	Disc EQ output, Analog output pin
164	TEBC	O	Tracking balance control signal, Analog output pin
165	FEBC	O	Focus balance control signal, Analog output pin
166	DPDC	O	DPD error signal pit depth adj. signal, Analog output pin
167	EQBC	O	RF wide boost adj. signal, Analog output pin
168	ANMON	O	Universal PWM output, Analog output pin
169	/DFCT	O	Black dot detect signal
170	VRCK	O	RF EQ characteristic control clock
171	VSS3		3.3V digital GND
172	SCD	O	Head amp serial data
173	SCL	O	Head amp serial data latch pulse
174	SCB	O	Head amp serial data clock
175	FGIN	I	Disc FG signal input (w/self-bias circuit), Feedback R/Analog input pin
176	NC		—

* Pin names begin with "／" are active "L" terminals.

TC9469BF (DVD: IC508)


Buffer
BD15-0
/BWU,/BWL
/BOE
/RAS,/CAS
BA8-0
SEDVD
PSYCN PDRQN
PDCK
PDA8
PDA(7:0)
Input Selector
Input IF Convert
CD-IF & DVD-IF
SUB-IF
M-FIFO
Buffer Address
ECC
H-FIFO
Driver
H Interrupt
AV-IF
Clock
AUTH
M Address
M Interrupt
TC9469BF
CSEL
/PDIAG,/DASP
IORDY
HDRQ
/HDAK
/IOCS16
HD15-0
/HRD,/HWR
/HCS3,/HCS1
HA2-0
INTRQ
DIGO
AZCK
ABCK,ACHCK
ADO
/RST
Gnd
Vdd
TEST3-0
MD7


(NC)
Vss
Vss
Vdd
RST
TESTOUT
/MINT
/MWR
Vss
/MRD
/MCE
MA6
MA5
MA4
MA3
MA2
MA1
MA0
Vdd
Vss
MD7
MD6
MD5
MD4
MD3
MD2
MD1
MD0
Vss
SEDVD
Vcc
ACHCK
ADO
ABCK
AZCK
(NC)
Vcc
HD7
HD8
HD6
HD9
HD5
HD10
Vss
HD4
HD11
HD3
HD12
HD2
HD13
HD1
HD14
HD0
Vcc
Vss
HD15
HDRQ
/HWR
VSSio
/HRD
Vdd24
IORDY
Vdd24
Vss
/HDAK
INTRQ
/IOCS16
HA1
/PDIAG
HA0
Vcc
(NC)
(NC)
(NC)
Vss
(LRCK)PDA0
(BCK)PDA1
(DA1)PDA2
(C2P1)PDA3
(CLCK)PDA4
Vss
(SBD1)PDA5
(SFSY)PDA6
(SBSY)PDA7
PDA8
PSYCN
PDRQN
PDCK
(NC)
DIGO
VDDck
XO
X1
VSSck
TEST2
TEST1
TEST0
BA3
BA1
BA2
Vss
BA0
BA4
BA5
BA6
BA7
Vss
(NC)
(NC)
Vss
A2
/HCS1
/HCS3
/DASP
CSEL
Vss
Vcc
BD15
BD14
BD13
BD12
BD11
BD10
BD9
BD8
Vcc
Vss
BD4
BD5
BD7
BD6
BD3
BD2
BD1
BD0
Vss
/BWU(/BWE)
/BWL(/CASL)
/CAS(/CASU)
/RAS
/BOE
BA8
Vcc
(NC)

TC9469BF Terminal Function

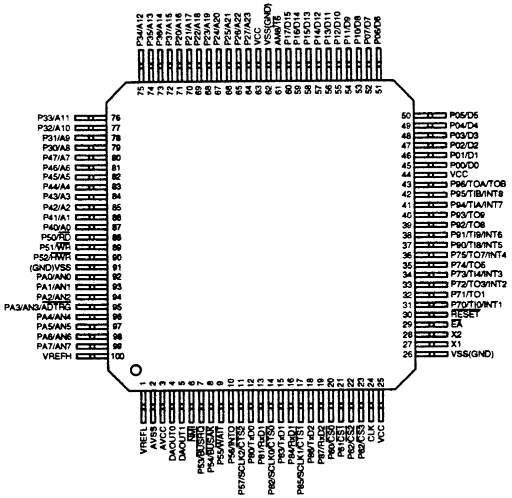
Pin No.	Pin Name	I/O	Function
1	NC	—	—
2	Vss	—	GND pin
3	HA2	I	Host address 2 input: IDE sig. DA2, TTL level input, pull-up R built-in
4	/HCS1	I	Chip select 1 input: IDE sig. /CS1FX, TTL level input, pull-up R built-in
5	HCS3	I	Chip select 3 input: IDE sig. /CS3FX, TTL level input, pull-up R built-in
6	/DASP	I/O	Drive active in/output: IDE sig. /DASP, TTL level input, open drain out, pull-up R built-in
7	CSEL	I	Cable select pin: IDE sig. CSEL
8	Vss	—	GND pin
9	VDD	—	Power pin
10	BD15	I/O	Buffer RAM data in/output, at low power: output
11	BD14	I/O	Buffer RAM data in/output, at low power: output
12	BD13	I/O	Buffer RAM data in/output, at low power: output
13	BD12	I/O	Buffer RAM data in/output, at low power: output
14	BD11	I/O	Buffer RAM data in/output, at low power: output
15	BD10	I/O	Buffer RAM data in/output, at low power: output
16	BD9	I/O	Buffer RAM data in/output, at low power: output
17	BD8	I/O	Buffer RAM data in/output, at low power: output
18	VDD	—	Power pin
19	Vss	—	GND pin
20	BD4	I/O	Buffer RAM data in/output, at low power: output
21	BD5	I/O	Buffer RAM data in/output, at low power: output
22	BD7	I/O	Buffer RAM data in/output, at low power: output
23	BD6	I/O	Buffer RAM data in/output, at low power: output
24	BD3	I/O	Buffer RAM data in/output, at low power: output
25	BD2	I/O	Buffer RAM data in/output, at low power: output
26	BD1	I/O	Buffer RAM data in/output, at low power: output
27	BD0	I/O	Buffer RAM data in/output, at low power: output
28	Vss	—	GND pin
29	/BWU	O	For write enable bit (for /BWE sig.), at low power: H
30	/BWL	O	For /CAS signal lower 8bit (for /CASL sig.), at low power: H
31	/CAS	O	For /CAS signal upper 8bit (for /CASU sig.), at low power: H
32	/RAS	O	RAS signal output, at low power: H
33	/BOE	O	Output enable, at low power: H
34	BA8	O	Buffer address output
35	VDD	—	Power pin

Pin No.	Pin Name	I/O	Function
36	NC	—	—
37	NC	—	—
38	Vss	—	GND pin
39	BA7	O	Buffer address output
40	BA6	O	Buffer address output
41	BA5	O	Buffer address output
42	BA4	O	Buffer address output
43	BA0	O	Buffer address output
44	Vss	—	GND pin
45	BA2	O	GND pin
46	BA1	O	GND pin
47	BA3	O	Buffer address output
48	TEST0	I	Test pin, Fixed to "L"
49	TEST1	I	Test pin, Fixed to "L"
50	TEST2	I	Test pin, Fixed to "L"
51	Vssck		GND pin (for clock system)
52	XI	I	Master clock in/output, feedback R built-in
53	XO	O	Master clock in/output, feedback R built-in
54	VDDck		Power pin (for clock system)
55	DIGO	O	Digital out pin
56	NC	—	—
57	PDCK	I	Data read clock input
58	PDRQN	I	Data effective flag input
59	PSYCN	I	Sync signal input
60	PDA8	I	Parallel data 8 input
61	PDA7	I	Parallel data 7 input
62	PDA6	I	Parallel data 6 input
63	PDA5	I	Parallel data 5 input
64	Vss	—	GND pin
65	PDA4	I	Parallel data 4 input
66	PDA3	I	Parallel data 3 input
67	PDA2	I	Parallel data 2 input
68	PDA1	I	Parallel data 1 input
69	PDA0	I	Parallel data 0 input
70	Vss	—	GND pin
71	NC	—	—
72	NC	—	—
73	NC	—	—
74	AZCK	I	Ref. clock input for audio playback
75	ABCK	O	Bit clock (BCK) output for audio playback
76	ADO	O	Data output for audio playback
77	ACHCK	O	Channel clock (LRCK) output for audio playback
78	VDD	—	Power pin
79	SEDVD	I	Input IF select
80	Vss	—	GND pin
81	MD0	I/O	µcom data in/output, tri-state output
82	MD1	I/O	µcom data in/output, tri-state output
83	MD2	I/O	µcom data in/output, tri-state output
84	MD3	I/O	µcom data in/output, tri-state output
85	MD4	I/O	µcom data in/output, tri-state output
86	MD5	I/O	µcom data in/output, tri-state output
87	MD6	I/O	µcom data in/output, tri-state output
88	MD7	I/O	µcom data in/output, tri-state output
89	Vss	—	GND pin
90	VDD	—	Power pin
91	MA0	I	µcom address input
92	MA1	I	µcom address input
93	MA2	I	µcom address input
94	MA3	I	µcom address input

Pin No.	Pin Name	I/O	Function
95	MA4	I	µcom address input
96	MA5	I	µcom address input
97	MA6	I	µcom address input
98	/MCE	I	Chip enable signal input
99	/MRD	—	µcom chip read signal input
100	Vss	—	GND pin
101	/MWR	I	µcom write signal input
102	/MINT	O	µcom interrupt signal output, open drain, pull-up R built-in
103	TESTOUT	O	Output for test, leave it open
104	/RST	I	Hardware reset input (CMOS level), pull-up R built-in
105	VDD	—	Power pin
106	Vss	—	GND pin
107	Vss	—	GND pin
108	NC	—	—
109	VDD	—	Power pin
110	HD7	I/O	Host data in/output (HD [0:15] : IDE sig. DD [0:15]), TTL level, tri-statte out, pull-up R built-in
111	HD8	I/O	
112	HD6	I/O	
113	HD9	I/O	
114	HD5	I/O	
115	HD10	I/O	
116	Vss	—	GND pin
117	HD4	I/O	Host data in/output (HD [0:15] : IDE sig. DD [0:15]), TTL level, tri-statte out, pull-up R built-in
118	HD11	I/O	
119	HD3	I/O	
120	HD12	I/O	
121	HD2	I/O	
122	HD13	I/O	
123	HD1	I/O	
124	HD14	I/O	
125	HD0	I/O	
126	VDD	—	Power pin
127	Vss	—	GND pin
128	HD15	I/O	Host data in/output (HD [0:15] : IDE sig. DD [0:15])
129	HDRQ	O	Data request output: IDE sig. DMARQ, tri-state out, drive-ability 12mA
130	/HWR	I	Host write signal input: IDE sig. /DIOW, TTL level, pull-up R built-in
131	Vsshr	—	GND pin (for /HR)
132	/HRD	I	Host read signal input: IDE sig. /DIOR, TTL level, pull-up R built-in
133	Vss24	—	GND pin (for IORDY)
134	IORDY	O	IO transfer ready output: IDE sig. IORDY, tri-state out, drive-ability 24mA
135	VDD24	—	Power pin (for IORDY)
136	Vss	—	GND pin
137	/HDAK	I	Data acknowledge input: IDE sig. /DMACK, TTL level, pull-up R built-in
138	INTRQ	O	Interrupt signal output: IDE sig. INTRQ, tri-state out, drive-ability 12mA
139	/IOCS16	O	Data bit wide select output: IDE sig. /IOCS16, open drain, pull-up R built-in
140	HA1	I	Host address 1 input: IDE sig. DA1, TTL level, pull-up R built-in
141	/PDIAG	I/O	Post diagnostic in/output: IDE sig. /PDIAG, TTL level, tri-state out, pull-up R built-in
142	HA0	I	Host address 0 input: IDE sig. DA0, TTL level, pull-up R built-in
143	VDD	—	Power pin
144	NC	—	—

* Pin names begin with "／" PSYNCN, and PDRQN are active "L" terminals.

TMP95CW64F-**** (DVD: IC511)


P34/A12
P35/A13
P36/A14
P37/A15
P20/A16
P21/A17
P22/A18
P23/A19
P24/A20
P25/A21
P26/A22
P27/A23
VCC
VSS(GND)
AM8/16
P17/D15
P16/D14
P15/D13
P14/D12
P13/D11
P12/D10
P11/D9
P10/D8
P07/D7
P06/D6
75
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P33/A11
P32/A10
P31/A9
P30/A8
P47/A7
P46/A6
P45/A5
P44/A4
P43/A3
P42/A2
P41/A1
P40/A0
P50/RD
P51/WR
P52/HWR
(GND)VSS
PA0/AN0
PA1/AN1
PA2/AN2
PA3/AN3/ADTRG
PA4/AN4
PA5/AN5
PA6/AN6
PA7/AN7
VREFH
76
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78
79
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81
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83
84
85
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87
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89
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36
35
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33
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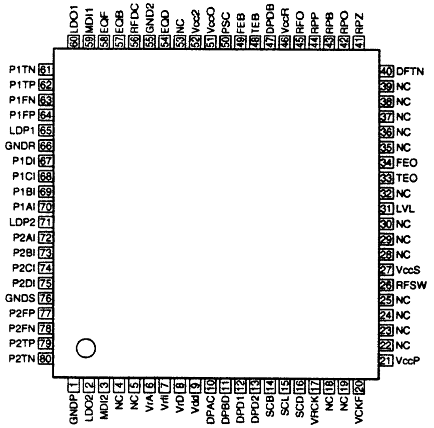
26
P05/D5
P04/D4
P03/D3
P02/D2
P01/D1
P00/D0
VCC
P96/TOA/TOB
P95/TIB/INT8
P94/TIA/INT7
P93/TO9
P92/TO8
P91/TI9/INT6
P90/TI8/INT5
P75/TO7/INT4
P74/TO5
P73/TI4/INT3
P72/TO3/INT2
P71/TO1
P70/TI0/INT1
RESET
EA
X2
X1
VSS(GND)
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
VREFL
AVSS
AVCC
DAOUT0
DAOUT1
NMI
P53/BUSRQ
P54/BUSAK
P55/WAIT
P56/INT0
P57/SCLK2/CTS2
P80/TxD0
P81/RxD0
P82/SCLK0/CTS0
P83/TxD1
P84/RxD1
P85/SCLK1/CTS1
P86/TxD2
P87/RxD2
P60/CS0
P61/CS1
P62/CS2
P63/CS3
CLK
VCC

TMP95CW64F-**** Terminal Function

Pin No.	Pin Name	Symbol	I/O	Function
1	VREFL	VREFL	I	Ref. V input (L) for A/D converter
2	AVss	AVss	—	GND
3	AVcc	AVcc	—	Power
4	DAOUT0	DAOUT0	O	D/A output 0
5	DAOUT1	DAOUT1	O	D/A output 1
6	/NMI	/NMI	I	Non-maskable interrupt request pin
7	P53	STBN	O	TA8493F/BA5952FP standby pin
8	P54	AMUTE	O	Not used
9	P55			Not used
10	INT0	DSPINT	I	Interrupt input from TC9453F
11	P57	RSTN	O	Reset output of TC9453F
12	P80			Not used
13	P81			Not used
14	P82	TEST	I	Not used
15	P83			Not used
16	P84	TMM+	O	Loading motor control pin
17	P85	TMM-	O	Loading motor control pin
18	TXD2	TXD2	O	Not used
19	RXD2	RXD2	I	Not used
20	/CS0	DECCSN	O	TC9469BF chip select
21	/CS1	DSPCSN	O	TC9453F chip select
22	P62			Not used
23	P63			Not used
24	CLK			Not used
25	Vcc	Vcc	—	Power
26	Vss	Vss	—	GND
27	X1	X1	I	X'tal connection
28	X2	X2	O	X'tal connection
29	/EA	/EA	I	Power
30	/RESET	/RESET	I	Reset input pin
31	INT1	DECINT	I	Interrupt input from TC9469BF
32	P71			Not used
33	P72			Not used

Pin No.	Pin Name	Symbol	I/O	Function
34	INT3	FG	I	FG signal input from TA8493F
35	P74	BRKN	O	Brake signal output to TA8493F
36	P75			Not used
37	INT5	SLIDE_PULSE	I	Pulse counter input of slide
38	P91	P-LOW	O	PLL filter switching output
39	P92	PLLD		Not used
40	P93	P-HIGH	O	PLL filter switching output
41	P94			Not used
42	P95			Not used
43	P96	PLLB		Not used
44	VCC	VCC	—	Power
45	D0	MD0	I/O	Data bus
46	D1	MD1	I/O	Data bus
47	D2	MD2	I/O	Data bus
48	D3	MD3	I/O	Data bus
49	D4	MD4	I/O	Data bus
50	D5	MD5	I/O	Data bus
51	D6	MD6	I/O	Data bus
52	D7	MD7	I/O	Data bus
53	D8	T22		Not used
54	D9	T9		Not used
55	D10	T10		Not used
56	D11	T11		Not used
57	D12	T12		Not used
58	D13	T13		Not used
59	D14	T14		Not used
60	D15	T15		Not used
61	AM8/16	AM8/16	I	Pull-up
62	Vss	Vss	—	GND
63	Vcc	Vcc	—	Power
64	P27	BUSY	O	Busy output
65	P26	CD/DVD	O	Not used
66	P25	LAYER	O	Not used
67	P24			Not used
68	P23			Not used
69	P22			Not used
70	P21			Not used
71	A16			Not used
72	A15			Not used
73	A14			Not used
74	A13			Not used
75	A12			Not used
76	A11			Not used
77	A10			Not used
78	A9			Not used
79	A8	MA8	O	Address bus
80	A7			Not used
81	A6	MA6	O	Address bus
82	A5	MA5	O	Address bus
83	A4	MA4	O	Address bus
84	A3	MA3	O	Address bus
85	A2	MA2	O	Address bus
86	A1	MA1	O	Address bus
87	A0	MA0	O	Address bus
88	/RD	RDN	O	Strobe signal output for read
89	/WR	WRN	O	Strobe signal output for write
90	P52			Not used
91	Vss	Vss	—	Power
92	PA0	MASTER	I	Pull-down
93	PA1	SLAVE	I	Pull-up
94	PA2	CSEL	I	Pull-up
95	PA3	/CLOS	I	Loader close SW input pin
96	PA4	/OPEN	I	Loader open SW input pin
97	PA5	INSWN	I	Pickup inner SW input pin
98	AN6	+1.65V	I	Analog input pin
99	PA7	EJECT	I	Not used
100	VREFH	VREFH	I	Ref. V input (H) for A/D converter

TA1293F (DVD: IC501)



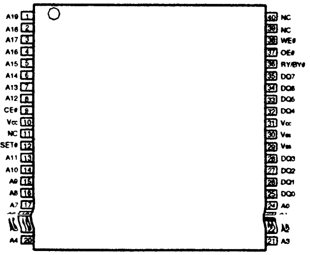
60 LDO1
59 MDI1
58 EQF
57 EQB
56 RFDC
55 GND2
54 EQD
53 NC
52 Vcc2
51 VccO
50 PSC
49 FEB
48 TEB
47 DPDB
46 VccR
45 RFO
44 RPP
43 RPB
42 RPO
41 RPZ
P1TN 61
P1TP 62
P1FN 63
P1FP 64
LDP1 65
GNDR 66
P1DI 67
P1CI 68
P1BI 69
P1AI 70
LDP2 71
P2AI 72
P2BI 73
P2CI 74
P2DI 75
GNDS 76
P2FP 77
P2FN 78
P2TP 79
P2TN 80
40 DFTN
39 NC
38 NC
37 NC
36 NC
35 NC
34 FEO
33 TEO
32 NC
31 LVL
30 NC
29 NC
28 NC
27 VccS
26 RFSW
25 NC
24 NC
23 NC
22 NC
21 VccP
1 GNDP
2 LDO2
3 MDI2
4 NC
5 NC
6 VrA
7 Vrfi
8 VrD
9 Vdd
10 DPAC
11 DPBD
12 DPD1
13 DPD2
14 SCB
15 SCL
16 SCD
17 VRCK
18 NC
19 NC
20 VCKF

TA1293F Terminal Function

Pin No.	Pin Name	I/O	Function
1	GNDP		GND pin
2	LDO2	O	Drive pin
3	MDI2	I	Monitor pin
4	NC		Used connecting with VrA
5	NC		Used connecting with VrA
6	VrA	O	Analog VREF
7	Vrfi		Filter capacity for reference
8	VrD	O	Digital VREF, outputs 1/2 of Vdd
9	Vdd	I	Power pin, connect Vdd of servo IC
10	DPAC		DPD AC coupling capacity 1
11	DPBD		DPD AC coupling capacity 2
12	DPD1		DPD integral capacity 1
13	DPD2		DPD integral capacity 2
14	SCB	I	Control line (bit clock)
15	SCL	I	Control line (latch signal)
16	SCD	I	Control line (serial data)
17	VRCK	I	Ref. clock input
18	NC		Used connecting with GND
19	NC		Used connecting with GND
20	VCKF		Capacity for adjusting time constant
21	VccP		Power pin
22	NC		Used in open
23	NC		Used in open
24	NC		Used in open
25	NC		Used connecting with GND
26	RFSW	I	RFO control pin, outputs signal after EQ at L
27	VccS		Power pin
28	NC		Used in open
29	NC		Used connecting with VrA
30	NC		Used connecting with VrA
31	LVL	O	Servo addition output
32	NC		Used in open
33	TEO	O	TE output
34	FEO	O	TE output
35	NC		Used connecting with VrA
36	NC		Used connecting with VrA
37	NC		Used connecting with VrA

Pin No.	Pin Name	I/O	Function
38	NC		Used connecting with VrA
39	NC		Used connecting with VrA
40	DFTN	I	DPD defect, L: DPD out = Mute
41	RPZ	O	RF ripple center output
42	RPO	O	RF ripple output
43	RPB	O	Bottom of RF ripple
44	RPP	O	Peak of RF ripple
45	RFO	O	Equivalent RF output
46	VccR		Power pin (RF)
47	DPDB	I	Pit depth adjustment
48	TEB	I	TE balance
49	FEB	I	FE balance
50	PSC	I	VRCK divide on/off, H: divide off
51	VccO		Power pin
52	Vcc2		Power pin
53	NC		Connect with VrD, or GND via C
54	EQD	I	Group delay correction
55	GND2		GND pin
56	RFDC		DC feedback capacity
57	EQB	I	Boost adjustment
58	EQF	I	Frequency adjustment
59	MDI1	I	Monitor input
60	LDO1	O	Drive output
61	P1TN	I	TE(-) input (DVD)
62	P1TP	I	TE(+) input (DVD)
63	P1FN	I	FE(-) input (DVD)
64	P1FP	I	FE(+) input (DVD)
65	LDP1	I	APC polarity 1, positive when connected to Vcc
66	GNDR		GND pin
67	P1DI	I	D input (DVD)
68	P1CI	I	C input (DVD)
69	P1BI	I	B input (DVD)
70	P1AI	I	A input (DVD)
71	LDP2	I	APC polarity 2, positive when connected to Vcc
72	P2AI	I	A input (CD)
73	P2BI	I	B input (CD)
74	P2CI	I	C input (CD)
75	P2DI	I	D input (CD)
76	GNDS		GND pin
77	P2FP	I	FE(+) input (CD)
78	P2FN	I	FE(-) input (CD)
79	P2TP	I	TE(+) input (CD)
80	P2TN	I	TE(-) input (CD)

HY29F080 (DVD: IC102)

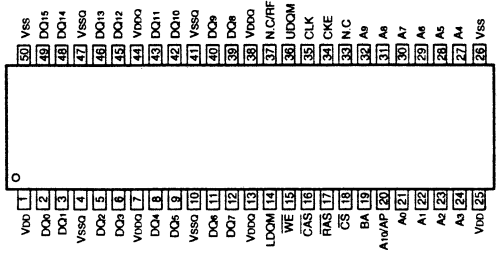


Terminal Function

Pin No.	Pin Name	I/O	Function
1~8 13~24	A[19:0]	I	Address, active High.
25~28 32~35	DQ[7:0]	I/O	Data Bus, active High.
9	CE#	I	Chip Enable, active Low.
37	OE#	I	Output Enable, active Low.
38	WE#	I	Write Enable, active Low.
12	RESET#	I	Hardware Reset, active Low.
36	RY/BY#	O	Ready/Busy Status.
10, 31	Vcc	–	5-volt power supply.
29, 30	Vss	–	Power and signal ground

16M SDRAM (TSOP)-8 (DVD: IC103, 104)

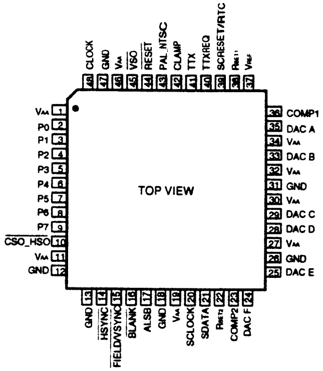
- **K4S161622D-TC80**
- **W981616AH-8**



Terminal Function

Pin No.	Pin Name	Symbol	Function
1	VDD	Power Supply/Ground	Power and ground for the input buffer and the core logic
2	DQ0	Data Input/Output	Data input/output are mutiplexed on the same pin
3	DQ1	Data Input/Output	Data input/output are mutiplexed on the same pin
4	VSSQ	Data Output Power/Ground	Isolated power supply and ground for the output buffer
5	DQ2	Data Input/Output	Data input/output are mutiplexed on the same pin
6	DQ3	Data Input/Output	Data input/output are mutiplexed on the same pin
7	VDDQ	Data Output Power/Ground	Isolated power supply and ground for the output buffer
8	DQ4	Data Input/Output	Data input/output are mutiplexed on the same pin
9	DQ5	Data Input/Output	Data input/output are mutiplexed on the same pin
10	VSSQ	Data Output Power/Ground	Isolated power supply and ground for the output buffer
11	DQ6	Data Input/Output	Data input/output are multiplexed on the same pin
12	DQ7	Data Input/Output	Data input/output are multiplexed on the same pin
13	VDDQ	Data Output Power/Ground	Isolated power supply and ground for the output buffer
14	L DQM	Data Input/Output Mask	Blocks data input when active
15	$\overline{WE}$	Write Enable	Enables write operation and row precharge
16	$\overline{CAS}$	Column Address Strobe	Latches column address on the positive going edge of the CLK at low
17	$\overline{RAS}$	Row Address Strobe	Latches row address on the positive going edge of the CLK at low
18	$\overline{CS}$	Chip Select	Disables or enables device operation by masking or enabling all inputs except CLK, CKE, and LDQM
19	BA	Bank Select Address	Selects bank to be activated during row address latch time
20	A10/AP	Address	Row/column addresses are multiplexed on the same pin
21	A0	Address	Row/column addresses are multiplexed on the same pin
22	A1	Address	Row/column addresses are multiplexed on the same pin
23	A2	Address	Row/column addresses are multiplexed on the same pin
24	A3	Address	Row/column addresses are multiplexed on the same pin
25	VDD	Power Supply/Ground	Power and ground for the input buffer and the core logic
26	VSS	Power Supply/Ground	Power and ground for the input buffer and the core logic
27	A4	Address	Row/column addresses are multiplexed on the same pin
28	A5	Address	Row/column addresses are multiplexed on the same pin
29	A6	Address	Row/column addresses are multiplexed on the same pin
30	A7	Address	Row/column addresses are multiplexed on the same pin
31	A8	Address	Row/column addresses are multiplexed on the same pin
32	A9	Address	Row/column addresses are multiplexed on the same pin
33	N. C	No Connection	No connect pin
34	CKE	Clock Enable	Masks system clock to freeze operation from the next clock cycle
35	CLK	System Clock	Active on the positive going edge to sample all inputs
36	U DQM	Data Input/Output Mask	Blocks data input when active
37	N. C/RFU	NC/Reserved	No connect pin
38	VDDQ	Data Output Power/Ground	Isolated power supply and ground for the output buffer
39	DQ8	Data Input/Output	Data input/output are multiplexed on the same pin
40	DQ9	Data Input/Output	Data input/output are multiplexed on the same pin
41	VSSQ	Data Output Power/Ground	Isolated power supply and ground for the output buffer
42	DQ10	Data Input/Output	Data input/output are multiplexed on the same pin
43	DQ11	Data Input/Output	Data input/output are multiplexed on the same pin
44	VDDQ	Data Output Power/Ground	Isolated power supply and ground for the output buffer
45	DQ12	Data Input/Output	Data input/output are multiplexed on the same pin
46	DQ13	Data Input/Output	Data input/output are multiplexed on the same pin
47	VSSQ	Data Output Power/Ground	Isolated power supply and ground for the output buffer
48	DQ14	Data Input/Output	Data input/output are multiplexed on the same pin
49	DQ15	Data Input/Output	Data input/output are multiplexed on the same pin
50	VSS	Power Supply/Ground	Power and ground for the input buffer and the core logic

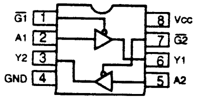
ADV7172KST (DVD: IC701)


TOP VIEW
VAA
P0
P1
P2
P3
P4
P5
P6
P7
CSO_HSO
VAA
GND
COMP1
DAC A
VAA
DAC B
VAA
GND
VAA
DAC C
DAC D
VAA
GND
DAC E
CLOCK
GND
VAA
VSO
RESET
PAL_NTSC
CLAMP
TTX
TTXREQ
SCRESET/RTC
RSET1
VREF
GND
HSYNC
FIELD/VSYNC
BLANK
ALSB
GND
VAA
SCLOCK
SDATA
RSET2
COMP2
DAC F

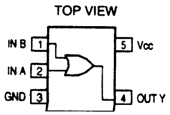
Terminal Function

Pin No.	Pin Name	I/O	Function
2~9	P7-P0	I	8-Bit 4:2:2 Multiplexed YCrCb Pixel Port (P7-P0).
48	CLOCK	I	TTL Clock Input .(27 MHz reference clock)
14	$\overline{\text{HSYNC}}$	I/O	$\overline{\text{HSYNC}}$ (Modes 1 and 2) Control Signal.
15	FIELD/$\overline{\text{VSYNC}}$	I/O	Dual Function FIELD (Mode 1) and $\overline{\text{VSYNC}}$ (Mode 2) Control Signal.
16	$\overline{\text{BLANK}}$	I/O	Video Blanking Control Singal.
39	SCRESET/RTC	I	Subcarrier reset pin, Real-Time Control (RTC) Input.
37	VREF	I/O	Voltage Reference Input for DACs or Voltage Reference Output (1.235V).
38	RSET1	I	Control full-scale amplitudes of the Video Signals from DACs A, B and C.
22	RSET2	I	Control full-scale amplitudes of the Video Signals from DACs D, E and F.
36	COMP1	O	Compensation Pin for DACs A, B and C.
23	COMP2	O	Compensation Pin for DACs D, E and F.
35	DAC A	O	GREEN/Composite/Y Analog Output.
33	DAC B	O	BLUE/S-Video Y/U Analog Output.
29	DAC C	O	RED/S-Video C/V Analog Output.
28	DAC D	O	GREEN/Composite/Y Analog Output.
25	DAC E	O	BLUE/S-Video Y/U Analog Output.
24	DAC F	O	RED/S-Video C/V Analog Output.
20	SCLOCK	I	MPU Port Serial Interface Clock Input.
21	SDATA	I/O	MPU Port Serial Data Input/Output.
42	CLAMP	O	TTL Output Signal to external circuitry.
43	PAL_NTSC	I	Input signal to select PAL or NTSC mode of operation.
45	$\overline{\text{VSO}}$	O	$\overline{\text{VSO}}$ TTL Output Sync Signal.
10	$\overline{\text{CSO\_HSO}}$	O	Dual function $\overline{\text{CSO}}$ or $\overline{\text{HSO}}$ TTL Output Sync Signal.
17	ALSB	I	TTL Address Input.
44	$\overline{\text{RESET}}$	I	On-chip timing generator reset pin.
41	TTX	I	Teletest Data Input Pin.
40	TTXREQ	O	Teletest Data Request output signal.
46	VAA	P	Power Supply (+3 V to +5 V).
12, 13, 18, 26, 31, 47	GND	G	Ground Pin.

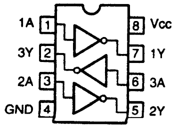
TC7WT125FU (DVD: IC114, 115)


G1
A1
Y2
GND
Vcc
G2
Y1
A2

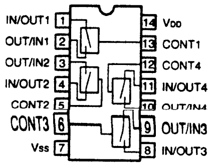
NC7ST32M5X (DVD: IC110)


TOP VIEW
IN B
IN A
GND
Vcc
OUT Y

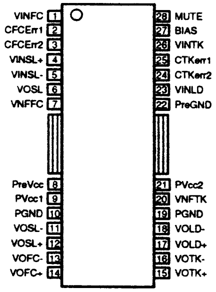
TC7WU04F (DVD: IC111)


1A
3Y
2A
GND
Vcc
1Y
3A
2Y

74VHC4066MTC (DVD: IC506)


IN/OUT1
OUT/IN1
OUT/IN2
IN/OUT2
CONT2
CONT3
Vss
Vdd
CONT1
CONT4
IN/OUT4
OUT/IN4
OUT/IN3
IN/OUT3

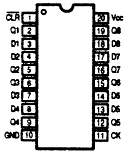
BA5952AFP (DVD: IC504)


VINFC
CFCerr1
CFCerr2
VINSL+
VINSL-
VOSL
VNFFC
PreVcc
PVcc1
PGND
VOSL-
VOSL+
VOFC-
VOFC+
MUTE
BIAS
VINTK
CTKerr1
CTKerr2
VINLD
PreGND
PVcc2
VNFTK
PGND
VOLD-
VOLD+
VOTK-
VOTK+

Terminal Function

Pin No.	Name	Function	Pin No.	Name	Function
1	VINFC	Focus driver input	15	VOTK+	Tracking driver output(+)
2	CFCerr1	Cap.connecting pin for error amp filter	16	VOTK-	Tracking driver output(-)
3	CFCerr2	Cap.connecting pin for error amp filter	17	VOLD+	Loading driver output(+)
4	VINSL+	Op.amp input (+) for sled driver	18	VOLD-	Loading driver output(-)
5	VINSL-	Op.amp input (-) for sled driver	19	PGND	Power GND
6	VOSL	Op.amp output for sled driver	20	VNFTK	Tracking driver feedback pin
7	VNFFC	Focus driver feedback pin	21	PVcc1	Power GND
8	PreVcc	Pre Vcc	22	PreGND	Pre GND
9	PVcc1	Power Vcc of sled driver	23	VINLD	Loading driver input
10	PGND	Power GND of sled driver	24	CTKerr2	Cap.connecting pin for error amp filter
11	VOSL-	Sled driver output(-)	25	CTKerr1	Cap.connecting pin for error amp filter
12	VOSL+	Sled driver output(+)	26	VINTK	Tracking driver input
13	VOFC-	Focus driver output(-)	27	BIAS	Bias input
14	VOFC+	Focus driver output(+)	28	MUTE	Mute control pin

SN74AHCT273PW (DVD: IC105)

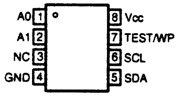

CLR
Q1
D1
D2
Q2
Q3
D3
D4
Q4
GND
Vcc
Q8
D8
D7
Q7
Q6
D6
D5
Q5
CK

Truth Table

Input			Output	Function
$\overline{\text{CLR}}$	D	CK	Q	
L	X	X	L	Clear
H	L	↑	L	—
H	H	↑	H	—
H	X	↓	Qn	No change

X: Don't Care

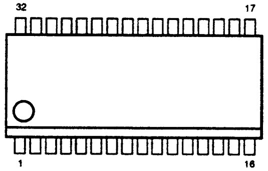
S-24C01A (DVD: IC108)

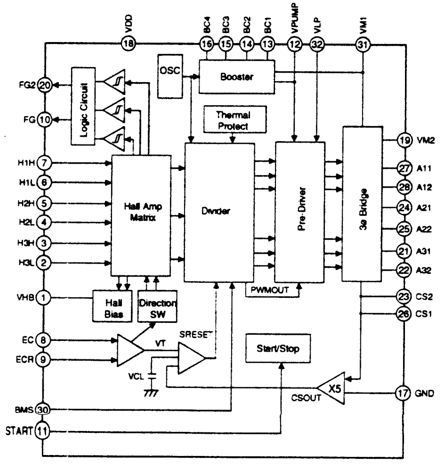

A0
A1
NC
GND
Vcc
TEST/WP
SCL
SDA

Terminal Function

Pin No.	Name	Function
1	A0	Address input
2	A1	Address input
3	A2	Address input
4	GND	GND
5	SDA	Serial data input/output
6	SCL	Serial clock input
7	TEST/WP	Test, connect to GND
8	Vcc	Power supply

AN8471SA (DVD: IC503)

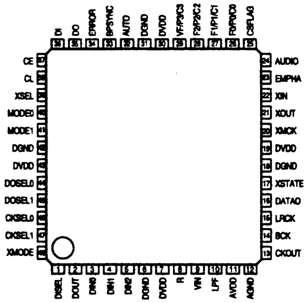



VDD
BC4
BC3
BC2
BC1
VPUMP
VLP
VM1
FG2
FG
H1H
H1L
H2H
H2L
H3H
H3L
VHB
EC
ECR
BMS
START
Logic Circuit
OSC
Booster
Thermal Protect
Hall Amp Matrix
Divider
Pre Driver
3φ Bridge
Hall Bias
Direction SW
VT
SRESE
VCL
PWMOUT
Start/Stop
CSOUT
X5
VM2
A11
A12
A21
A22
A31
A32
CS2
CS1
GND

Terminal Function

Pin No.	Pin Name	Function
1	VHB	Hall bias pin
2	H3L	Hall element 3 input (-)
3	H3H	Hall element 3 input (+)
4	H2L	Hall element 2 input (-)
5	H2H	Hall element 2 input (+)
6	H1L	Hall element 1 input (-)
7	H1H	Hall element 1 input (+)
8	EC	Torque command input pin
9	ECR	Torque command ref. input pin
10	FG1	FG signal lout put pin (0.C)
11	START	Start/Stop switching pin
12	VPUMP	Booster pin
13	BC1	Booster cap. connecting pin 1
14	BC2	Torque command input pin 2
15	BC3	Torque command input pin 3
16	BC4	Torque command input pin 4
17	GND	GND pin
18	VDD	Power pin
19	VM2	Motor power pin 2
20	FG2	3x FG signal output pin (0.C)
21	A31	Drive output 3
22	A32	Drive output 3
23	CS2	Current detect pin 2
24	A21	Drive output 2
25	A22	Drive output 2
26	CS1	Current detect pin 1
27	A11	Drive output 1
28	A12	Drive output 1
29	NC	N.C.
30	BMS	Brake mode switching pin
31	VM1	Motor power pin 1
32	VLP	Pre-driver lower power

LC89055W (DS: IC107)

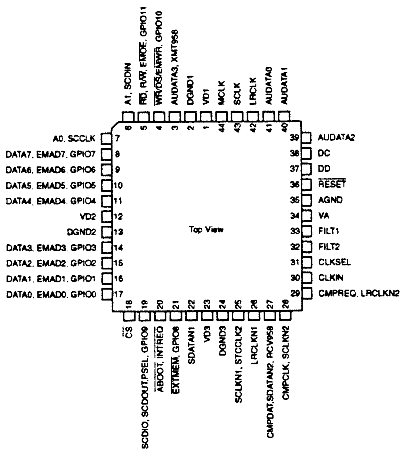

DI
DO
ERROR
BPSYNC
AUTO
DGND
DVDD
VF/P3/C3
F2/P2/C2
F1/P1/C1
F0/P0/C0
CSFLAG
36
35
34
33
32
31
30
29
28
27
26
25
CE
CL
XSEL
MODE0
MODE1
DGND
DVDD
DOSEL0
DOSEL1
CKSEL0
CKSEL1
XMODE
24 AUDIO
23 EMPHA
22 XIN
21 XOUT
20 XMCK
19 DVDD
18 DGND
17 XSTATE
16 DATAO
15 LRCK
14 BCK
13 CKOUT
1 DISEL
2 DOUT
3 DIN0
4 DIN1
5 DIN2
6 DGND
7 DVDD
8 R
9 VIN
10 LPF
11 AVDD
12 AGND

LC89055W Terminal Function

Pin No.	Pin Name	I/O	Function
1	DISEL	I	Data input terminal (select input pin of DIN0, DIN1)
2	DOUT	O	Input bi-phase data through output terminal
3	DIN0	I	Amp built-in coaxial/optical input correspond data input terminal
4	DIN1	I	Amp built-in coaxial/optical input correspond data input terminal
5	DIN2	I	Optical input correspond data input terminal
6	DGND		Digital GND
7	DVDD		Digital power supply
8	R	I	VCO gain control input terminal
9	VIN	I	VCO free-run frequency setting input terminal
10	LPF	O	PLL loop filter setting terminal
11	AVDD		Analog power supply
12	AGND		Analog GND
13	CKOUT	O	Clock output terminal (256fs, 384fs, 512fs, X'tal osc., VCO free-run osc.)
14	BCK	O	64fs clock output terminal
15	LRCK	O	fs clock output terminal (L: Rch, H: Lch, I²S: Reverse)
16	DATAO	O	Data output terminal
17	XSTATE	O	Input data detecting result output terminal
18	DGND		Digital GND
19	DVDD		Digital power supply
20	XMCK	O	X'tal osc. clock output terminal (24.576MHz or 12.288MHz)
21	XOUT	O	X'tal osc. connection output terminal
22	XIN	I	X'tal osc. connection input terminal, external signal input possible (24.576MHz or 12.288MHz)
23	EMPHA	O	Emphasis information output terminal of channel status
24	AUDIO	O	Bit1 output terminal of channel status
25	CSFLAG	O	Top 40bit revise flag output terminal of channel status
26	F0/P0/C0	O	Input fs cal. sig. out/data type out/input word inf. output terminal
27	F1/P1/C1	O	Input fs cal. sig. out/data type out/input word inf. output terminal
28	F2/P2/C2	O	Input fs cal. sig. out/data type out/input word inf. output terminal
29	VF/P3/C3	O	Validity flag out/data type out/input word inf. output terminal
30	DVDD		Digital power supply
31	DGND		Digital GND
32	AUTO	O	Non PCM burst data transfer detect sig. output terminal
33	BPSYNC	O	Non PCM burst data preamble Pa, Pb, Pc, Pd sync sig. output terminal
34	ERROR	O	PLL lock error, data error flag output terminal
35	DO	O	CPU/IFD read data output terminal
36	DI	I	CPU I/F write data input terminal
37	CE	I	CPU I/F chip enable input terminal
38	CL	I	CPU I/F chip enable input terminal
39	XSEL	I	Frequency select input pin of XIN X'tal osc. (24.576MHz or 12.288MHz)
40	MODE0	I	Mode setting input terminal
41	MODE1	I	Mode setting input terminal
42	DGND		Digital GND
43	DVDD		Digital power supply
44	*DOSEL0*	*I*	*Data output format select input terminal*
45	DOSEL1	I	Data output format select input terminal
46	CKSEL0	I	Output clock select input terminal
47	CKSEL1	I	Output clock select input terminal
48	XMODE	I	Reset input terminal

- For latch-up countermeasure, set digital (DVDD) and analog (AVDD) power on/off in the same timing.

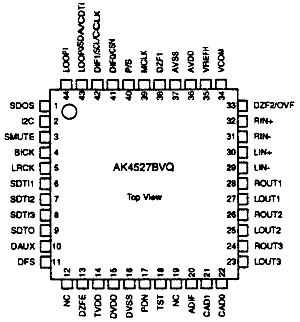
CS493292-CL (DS: IC109)


A1, SCDIN
RD, R/W, EMOE, GPIO11
WR/DS/EMWR, GPIO10
AUDATA3, XMT958
DGND1
VD1
MCLK
SCLK
LRCLK
AUDATA0
AUDATA1
6
5
4
3
2
1
44
43
42
41
40
A0, SCCLK 7
DATA7, EMAD7, GPIO7 8
DATA6, EMAD6, GPIO6 9
DATA5, EMAD5, GPIO5 10
DATA4, EMAD4, GPIO4 11
VD2 12
DGND2 13
DATA3, EMAD3, GPIO3 14
DATA2, EMAD2, GPIO2 15
DATA1, EMAD1, GPIO1 16
DATA0, EMAD0, GPIO0 17
Top View
39 AUDATA2
38 DC
37 DD
36 RESET
35 AGND
34 VA
33 FILT1
32 FILT2
31 CLKSEL
30 CLKIN
29 CMPREQ, LRCLKN2
18
19
20
21
22
23
24
25
26
27
28
CS
SCDIO, SCDOUT,PSEL, GPIO9
ABOOT, INTREQ
EXTMEM, GPIO8
SDATAN1
VD3
DGND3
SCLKN1, STCCLK2
LRCLKN1
CMPDAT,SDATAN2, RCV958
CMPCLK, SCLKN2

CS493292-CL Terminal Funtion

Pin No.	Port Name	Function
1,12,23	VD1,2,3	Digital power supply (+)
2,13,24	DGND1,2,3	Digital GND
3	AUDATA3, XMT958	SPDIF transmitter output, Digital audio output 3
4	$\overline{\text{WR}}$, $\overline{\text{DS}}$, $\overline{\text{EMWR}}$, GPIO10	Host write strobe, Host data strobe, External memory write enable, General purpose in/output 10
5	$\overline{\text{RD}}$, R/$\overline{\text{W}}$, $\overline{\text{EMOE}}$,GPIO11	Host parallel output enable, Host parallel R/$\overline{\text{W}}$, External memory output enable, General purpose in/output 11
6	A1,SCDIN	Host address bit 1, SPI serial control data input
7	A0,SCCLK	Host parallel address bit 0, Serial control port clock
8	DATA7, EMAD7, GPIO7	Bidirectional data bus 7, External memory address 7, General purpose in/output 7
9	DATA6, EMAD6, GPIO6	Bidirectional data bus 6, External memory address 6, General purpose in/output 6
10	DATA5, EMAD5, GPIO5	Bidirectional data bus 5, External memory address 5, General purpose in/output 5
11	DATA4, EMAD4, GPIO4	Bidirectional data bus 4, External memory address 4, General purpose in/output 4
14	DATA3, EMAD3, GPIO3	Bidirectional data bus 3, External memory address 3, General purpose in/output 3
15	DATA2, EMAD2, GPIO2	Bidirectional data bus 2, External memory address 2, General purpose in/output 2
16	DATA1, EMAD1, GPIO1	Bidirectional data bus 1, External memory address 1, General purpose in/output 1
17	DATA0, EMAD0, GPIO0	Bidirectional data bus 0, External memory address 0, General purpose in/output 0
18	$\overline{\text{CS}}$	Host parallel chip select, Host serial SPI chip select
19	SCDIO, SCDOUT, PSEL,GPIO9	Serial control port data in/output, Parallel port type select, General purpose in/output 9
20	$\overline{\text{INTREQ}}$, $\overline{\text{ABOOT}}$	Control port interrupt request, Automatic boot enable
21	$\overline{\text{EXTMEM}}$, GPIO8	External memory chip select, General purpose in/output 8
22	SDATAN1	PCM audio data input 1
25	SCLKN1, STCCLK2	PCM audio input bit clock
26	LRCLKN1	PCM audio input sample rate clock
27	CMPDAT, SDATAN2	PCM audio data input 2
28	CMPCLK, SCLKN2	PCM audio input bit clock
29	CMPREQ, LRCLKN2	PCM audio input sample rate clock
30	CLKIN	Master clock input
31	CLKSEL	DSP clock select
32	FILT2	PLL filter
33	FILT1	PLL filter
34	VA	Analog power supply (+)
35	AGND	Analog GND
36	$\overline{\text{RESET}}$	Master reset input
37	DD	Reserved
38	DC	Reserved
39	AUDATA2	Digital audio output 2
40	AUDATA1	Digital audio output 1
41	AUDATA0	Digital audio output 0
42	LRCLK	Audio output sample rate clock
43	SCLK	Audio output bit clock
44	MCLK	Audio master clock

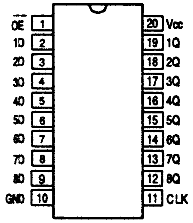
AK4527BVQ (DS: IC108)


LOOP1
LOOP0/SDA/CDTI
DIF1/SCL/CCLK
DIF0/CSN
P/S
MCLK
DZF1
AVSS
AVDD
VREFH
VCOM
SDOS
I2C
SMUTE
BICK
LRCK
SDTI1
SDTI2
SDTI3
SDTO
DAUX
DFS
DZF2/OVF
RIN+
RIN-
LIN+
LIN-
ROUT1
LOUT1
ROUT2
LOUT2
ROUT3
LOUT3
NC
DZFE
TVDD
DVDD
DVSS
PDN
TST
NC
ADIF
CAD1
CAD0
AK4527BVQ
Top View

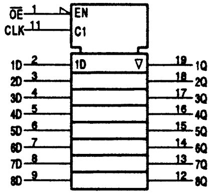
AK4527BVQ Terminal Funtion

Pin No.	Port Name	I/O	Function
1	SDOS	I	SDTO source select pin, L: Internal ADC output, H: DAUX input
2	I2C	I	Serial control mode select pin, L: 3-core serial, H: I²C bus
3	SMUTE	I	Soft mute pin, H: Soft mute start, L: Release
4	BICK	I	Audio serial data clock pin
5	LRCK	I	Input channel clock pin
6	SDTI1	I	DAC1 audio serial data input pin
7	SDTI2	I	DAC2 audio serial data input pin
8	SDTI3	I	DAC3 audio serial data input pin
9	SDTO	O	Audio serial data output pin
10	DAUX	I	Auxiliary audio serial data input pin
11	DFS	I	Double speed sampling mode pin, L: Normal, H: Double
12	NC	—	No connection
13	DZFE	I	Zero input detect function activate pin, L: Mode 7 at parallel, H: Mode 0
14	TVDD	—	Power pin for output buffer, 2.7V~5.5V
15	DVDD	—	Digital power pin, 4.5V~5.5V
16	DVss	—	Digital GND pin, 0V
17	PDN	I	Power down & reset pin, L: Powered-down and register initialized, Reset with PDN when switching CAD0-1
18	TST	I	Test pin, connect to DVSS
19	NC	—	No connection
20	ADIF	I	Analog input type select pin, H: Differential, L: Single-end
21	CAD1	I	Chip address-1 pin
22	CAD0	I	Chip address-0 pin
23	LOUT3	O	DAC3L channel analog out pin
24	ROUT3	O	DAC3R channel analog out pin
25	LOUT2	O	DAC2L channel analog out pin
26	ROUT2	O	DAC2R channel analog out pin
27	LOUT1	O	DAC1L channel analog out pin
28	ROUT1	O	DAC1R channel analog out pin
29	LIN-	I	L-ch analog inverted input pin
30	LIN+	I	L-ch analog non-inverted input pin
31	RIN-	I	R-ch analog inverted input pin
32	RIN+	I	R-ch analog non-inverted input pin
33	DZF2/OVF	O	0 input detect 2 pin, H: Input data of G2 is 8192 times "0" in a raw or RSTN bit "0", L: When P/S= "0" /Analog input overflow detect pin
34	VCOM	O	Common V-out pin, AVDD/2, connect large capacitor to avoid noise
35	VREFH	I	Ref. V input pin, AVDD
36	AVDD	—	Analog GND pin, 4.5V~5.5V
37	AVss	—	Analog GND pin, 0V
38	DZF1	O	0 input detect pin, H: Input data of G1 is 8192 times "0" in a raw or RSTN bit "0", L: When P/S= "0"
39	MCLK	I	Master clock input pin
40	P/S	I	Parallel/Serial select pin, L: Serial control
41	DIF0	I	Audio data I/F format 0 pin (parallel control)
	CSN	I	Chip select pin (3-wire serial control), connect to DVDD when I²C bus control
42	DIF1	I	Audio data I/F format 1 pin (parallel control)
	SCL/CCLK	I	Control data clock pin (serial control), I²C="L": CCLK (3-wire serial), I²C="H": SCL (I²C bus)
43	LOOP0	I	Loop back mode 0 pin (parallel control), effects digital loop back ADC to all DAC
	SDA/CDTI	I/O	Control data input pin (serial control), I²C="L": CCTI (3-wire serial), I2C="H" SDA (I²C bus)
44	LOOP1	I	Loop back mode 1 pin, from SDT1 to all DAC

SN74LV574APW (DS: IC103)
SN74LVC574APW (DS: IC104)


OE
1D
2D
3D
4D
5D
6D
7D
8D
GND
Vcc
1Q
2Q
3Q
4Q
5Q
6Q
7Q
8Q
CLK

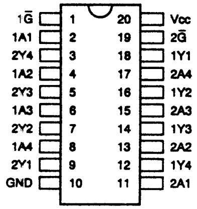
logic symbol


OE
CLK
EN
C1
1D
2D
3D
4D
5D
6D
7D
8D
1Q
2Q
3Q
4Q
5Q
6Q
7Q
8Q

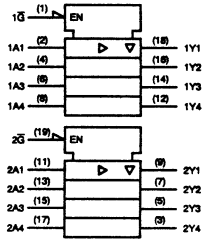
Function Table (each flip-flop)

INPUTS			OUTPUT
$\overline{OE}$	CLK	D	Q
L	↑	H	H
L	↑	L	L
L	H or L	X	Q0
H	X	X	Z

SN74LV244APW (DS: IC105)
SN74LVC244APW (DS: IC112)
SN74HCT244APW (DS: IC106, 113)


1G
1A1
2Y4
1A2
2Y3
1A3
2Y2
1A4
2Y1
GND
Vcc
2G
1Y1
2A4
1Y2
2A3
1Y3
2A2
1Y4
2A1

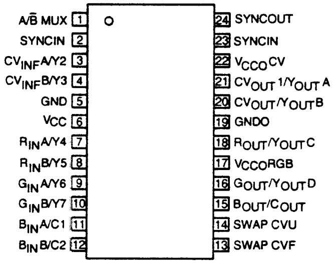
logic symbol

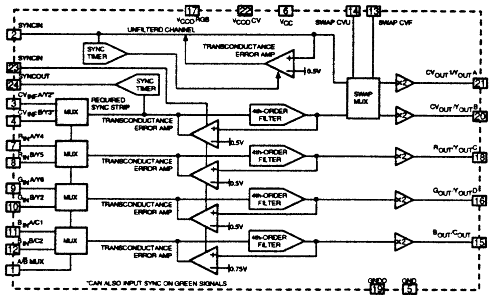

1G
EN
1A1
1A2
1A3
1A4
1Y1
1Y2
1Y3
1Y4
2G
2A1
2A2
2A3
2A4
2Y1
2Y2
2Y3
2Y4

Function Table

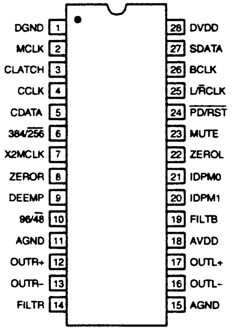
INPUTS		OUTPUT
$\overline{G}$	A	Y
L	H	H
L	L	L
H	X	Z

ML6427 (D/V: IC310, 311)


A/B MUX
SYNCIN
CVINF A/Y2
CVINF B/Y3
GND
VCC
RIN A/Y4
RIN B/Y5
GIN A/Y6
GIN B/Y7
BIN A/C1
BIN B/C2
SYNCOUT
SYNCIN
VCCOCV
CVOUT 1/YOUT A
CVOUT/YOUT B
GNDO
ROUT/YOUT C
VCCORGB
GOUT/YOUT D
BOUT/COUT
SWAP CVU
SWAP CVF


VCCORGB
VCCOCV
VCC
SWAP CVU
SWAP CVF
SYNCIN
UNFILTERED CHANNEL
SYNC TIMER
TRANSCONDUCTANCE ERROR AMP
SYNCOUT
REQUIRED SYNC STRIP
MUX
4th-ORDER FILTER
SWAP MUX
CVOUT/YOUT A
CVOUT/YOUT B
ROUT/YOUT C
GOUT/YOUT D
BOUT/COUT
A/B MUX
*CAN ALSO INPUT SYNC ON GREEN SIGNALS
GNDO
GND

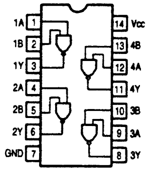
AD1854 (DS: IC401)


DGND 1
MCLK 2
CLATCH 3
CCLK 4
CDATA 5
384/256 6
X2MCLK 7
ZEROR 8
DEEMP 9
96/48 10
AGND 11
OUTR+ 12
OUTR- 13
FILTR 14
28 DVDD
27 SDATA
26 BCLK
25 L/RCLK
24 PD/RST
23 MUTE
22 ZEROL
21 IDPM0
20 IDPM1
19 FILTB
18 AVDD
17 OUTL+
16 OUTL-
15 AGND

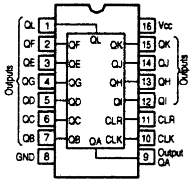
Terminal Function

Pin No.	Pin Name	I/O	Function
1	DGND	I	Digital Ground.
2	MCLK	I	Master Clock Input.
3	CLATCH	I	Latch input for control data.
4	CCLK	I	Control clock input for control data.
5	CDATA	I	Serial control input.
6	384/$\overline{256}$	I	Selects the master clock mode.
7	X2MCLK	I	Selects internal clock doubler (LO) or internal clock=MCLK (HI).
8	ZEROR	O	Right Channel Zero Flag Output.
9	DEEMP	I	De-Emphasis.
10	96/$\overline{48}$	I	Selects 48 kHz (LO) or 96 kHz Sample Frequency Control.
11,15	AGND	I	Analog Ground.
12	OUTR+	O	Right Channel Positive line level analog output.
13	OUTR-	O	Right Channel Negative line level analog output.
14	FILTR	O	Voltage Reference Filter Capacitor Connection.
16	OUTL-	O	Left Channel Negative line level analog output.
17	OUTL+	O	Left Channel Positive line level analog output.
18	AVDD	I	Analog Power supply.
19	FILTB	O	Filter Capacitor connection.
20	IDPM1	I	Input serial data port mode control one.
21	IDPM0	I	Input serial data port mode control zero.
22	ZEROL	O	Left Channel Zero Flag output.
23	MUTE	I	Mute. Assert HI to mute both stereo analog outputs.
24	$\overline{PD/RST}$	I	Power-Down/Reset.
25	L/$\overline{R}$CLK	I	Left/$\overline{Right}$ clock input for input data.
26	BCLK	I	Bit clock input for input data.
27	SDATA	I	Serial input.
28	DV$_{DD}$	I	Digital Power Supply.

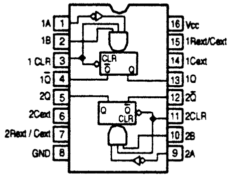
SN74LV00APW (DS: IC110, 111)


1A 1
1B 2
1Y 3
2A 4
2B 5
2Y 6
GND 7
14 Vcc
13 4B
12 4A
11 4Y
10 3B
9 3A
8 3Y

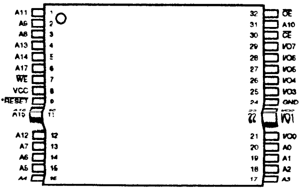
SN74LV4040APW (DS: IC114)


Outputs
QL 1
QF 2
QE 3
QG 4
QD 5
QC 6
QB 7
GND 8
16 Vcc
15 QK
14 QJ
13 QH
12 QI
11 CLR
10 CLK
9 Output QA
Outputs
QL
QF
QE
QG
QD
QC
QB
QA
QK
QJ
QH
QI
CLR
CLK

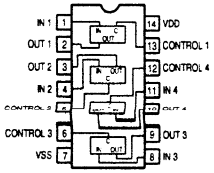
TC74VHC123AFT (DS: IC123)


1A 1
1B 2
1 CLR 3
1Q̄ 4
2Q 5
2Cext 6
2Rext / Cext 7
GND 8
16 Vcc
15 1Rext/Cext
14 1Cext
13 1Q
12 2Q̄
11 2CLR
10 2B
9 2A
CLR
Q̄
Q
Q
Q̄
CLR

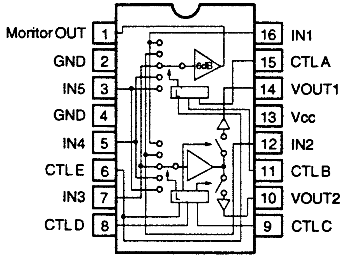
AT49LV002-70TC (DS: IC101)


A11 1
A9 2
A8 3
A13 4
A14 5
A17 6
WE 7
VCC 8
*RESET 9
A16 10
A15 11
A12 12
A7 13
A6 14
A5 15
A4 16
32 OE
31 A10
30 CE
29 I/O7
28 I/O6
27 I/O5
26 I/O4
25 I/O3
24 GND
23 I/O2
22 I/O1
21 I/O0
20 A0
19 A1
18 A2
17 A3

LC4966 (DS: IC605)


IN 1 1
OUT 1 2
OUT 2 3
IN 2 4
CONTROL 2 5
CONTROL 3 6
VSS 7
14 VDD
13 CONTROL 1
12 CONTROL 4
11 IN 4
10 OUT 4
9 OUT 3
8 IN 3
IN
C
OUT
IN
OUT
C
OUT
C
IN
C
IN
OUT

BA7625 (D/V: IC 302, 303)
BA7626 (D/V: IC 301)


Moritor OUT 1
GND 2
IN5 3
GND 4
IN4 5
CTL E 6
IN3 7
CTL D 8
16 IN1
15 CTL A
14 VOUT1
13 Vcc
12 IN2
11 CTL B
10 VOUT2
9 CTL C
6dB

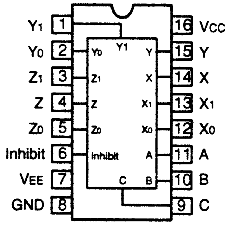
A	B	E	MONITOR OUT
L	L	*	IN 1
H	L	*	IN 2
L	H	*	IN 3
H	H	L	IN 4
H	H	H	IN 5

C	D	E	V OUT 1
L	L	*	—
H	L	*	IN 2
L	H	*	IN 3
H	H	L	IN 4
H	H	H	IN 5

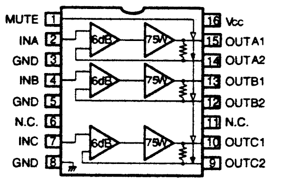
C	D	E	V OUT 2
L	L	*	IN 1
H	L	*	—
L	H	*	IN 3
H	H	L	IN 4
H	H	H	IN 5

Note 1: *mark means that feasible for either H or L.
Note 2: Each input terminal is porvided with sink chip clamp (BA7625).
Each input terminal takes 20kohm at the end (BA7626).

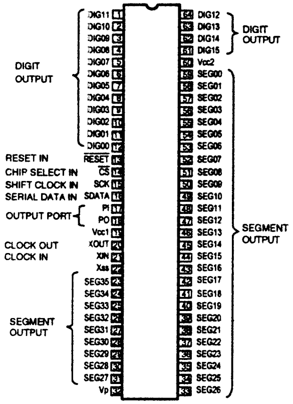
NJU4053B V (D/V: IC308)
(Europe model only)

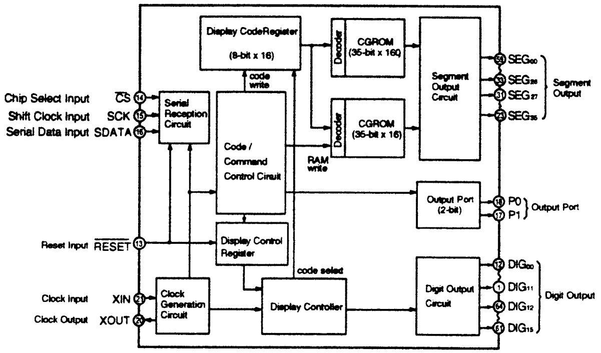

Y1 1
Y0 2
Z1 3
Z 4
Z0 5
Inhibit 6
VEE 7
GND 8
16 Vcc
15 Y
14 X
13 X1
12 X0
11 A
10 B
9 C
Y0
Y1
Y
Z1
X
Z
X1
Z0
X0
Inhibit
A
C
B

BA7660FS (D/V: IC402, 403)
(Europe model only)

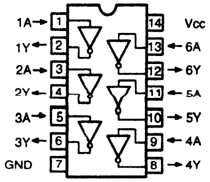

MUTE 1
INA 2
GND 3
INB 4
GND 5
N.C. 6
INC 7
GND 8
16 Vcc
15 OUTA1
14 OUTA2
13 OUTB1
12 OUTB2
11 N.C.
10 OUTC1
9 OUTC2
6dB
75W
6dB
75W
6dB
75W

M66005FP (D/V: IC701)

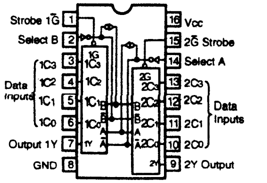

DIGIT OUTPUT
DIG11 1
DIG10 2
DIG09 3
DIG08 4
DIG07 5
DIG06 6
DIG05 7
DIG04 8
DIG03 9
DIG02 10
DIG01 11
DIG00 12
RESET IN
RESET 13
CHIP SELECT IN
CS 14
SHIFT CLOCK IN
SCK 15
SERIAL DATA IN
SDATA 16
OUTPUT PORT
P1 17
P0 18
Vcc1 19
CLOCK OUT
XOUT 20
CLOCK IN
XIN 21
Xss 22
SEGMENT OUTPUT
SEG35 23
SEG34 24
SEG33 25
SEG32 26
SEG31 27
SEG30 28
SEG29 29
SEG28 30
SEG27 31
Vp 32
64 DIG12
63 DIG13
62 DIG14
61 DIG15
DIGIT OUTPUT
60 Vcc2
59 SEG00
58 SEG01
57 SEG02
56 SEG03
55 SEG04
54 SEG05
53 SEG06
52 SEG07
51 SEG08
50 SEG09
49 SEG10
48 SEG11
47 SEG12
46 SEG13
45 SEG14
44 SEG15
43 SEG16
42 SEG17
41 SEG18
40 SEG19
39 SEG20
38 SEG21
37 SEG22
36 SEG23
35 SEG24
34 SEG25
33 SEG26
SEGMENT OUTPUT


Chip Select Input CS 14
Shift Clock Input SCK 15
Serial Data Input SDATA 16
Reset Input RESET 13
Clock Input XIN 21
Clock Output XOUT 20
Serial Reception Circuit
Clock Generation Circuit
Display CodeRegister (8-bit x 16)
code write
Code / Command Control Ciruit
Display Control Register
Display Controller
code select
RAM write
Decoder
CGROM (35-bit x 160)
Decoder
CGROM (35-bit x 16)
Segment Output Circuit
Output Port (2-bit)
Digit Output Circuit
59 SEG00
33 SEG26
31 SEG27
23 SEG35
Segment Output
18 P0
17 P1
Output Port
12 DIG00
1 DIG11
64 DIG12
61 DIG15
Digit Output

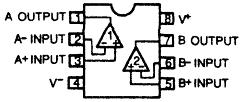
TC74HCU04AF (D/V: IC304)


1A 1
1Y 2
2A 3
2Y 4
3A 5
3Y 6
GND 7
14 Vcc
13 6A
12 6Y
11 5A
10 5Y
9 4A
8 4Y

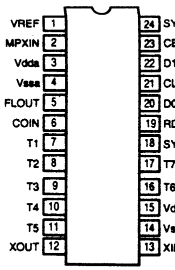
SN74HC153NS (D/V: IC305)


Strobe 1G̅ 1
Select B 2
1C3 3
1C2 4
1C1 5
1C0 6
Data Inputs
Output 1Y 7
GND 8
16 Vcc
15 2G̅ Strobe
14 Select A
13 2C3
12 2C2
11 2C1
10 2C0
Data Inputs
9 2Y Output
1G
1C3
1C2
1C1
1C0
1Y
B
B̄
A
Ā
2G
2C3
2C2
2C1
2C0
2Y

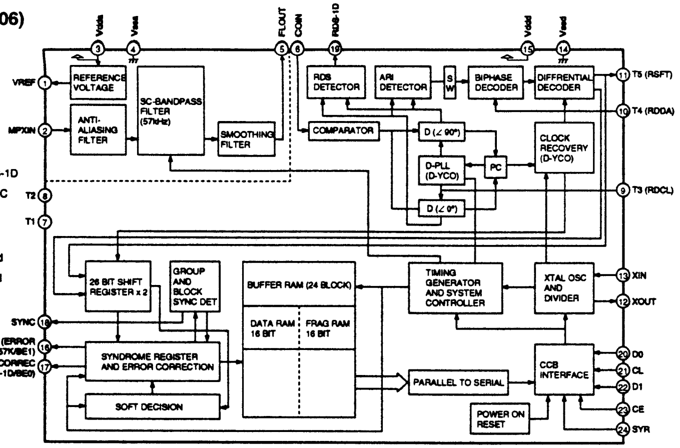
BA4510F (DS: IC118, 119)
BA15218F (DS: IC115~117, 402, 601~603)
(MA: IC503, 504, 606~609)
NJM4558M (DVD: IC502)


A OUTPUT 1
A- INPUT 2
A+ INPUT 3
V- 4
8 V+
7 B OUTPUT
6 B- INPUT
5 B+ INPUT
1
2

LC72720NM (MA: IC106)

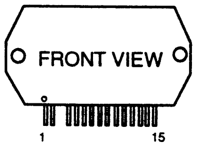


VREF 1
MPXIN 2
Vdda 3
Vssa 4
FLOUT 5
COIN 6
T1 7
T2 8
T3 9
T4 10
T5 11
XOUT 12
24 SYR
23 CE
22 D1
21 CL
20 D0
19 RDS-1D
18 SYNC
17 T7
16 T6
15 Vddd
14 Vssd
13 XIN

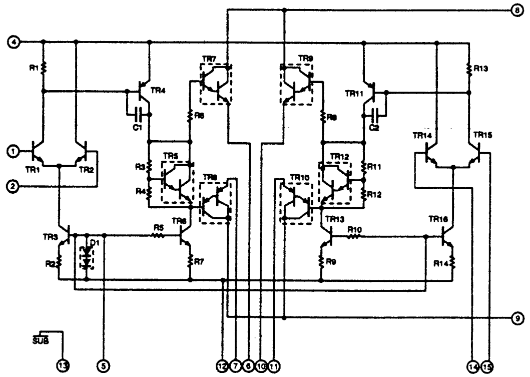


Vdda
Vssa
FLOUT
COIN
RDS-1D
Vddd
Vssd
VREF
MPXIN
REFERENCE VOLTAGE
ANTI-ALIASING FILTER
SC-BANDPASS FILTER (57kHz)
SMOOTHING FILTER
RDS DETECTOR
ARI DETECTOR
S W
BIPHASE DECODER
DIFFRENTIAL DECODER
COMPARATOR
D (∠ 90°)
D-PLL (D-YCO)
PC
D (∠ 0°)
CLOCK RECOVERY (D-YCO)
T5 (RSFT)
T4 (RDDA)
T3 (RDCL)
T2
T1
26 BIT SHIFT REGISTER x 2
GROUP AND BLOCK SYNC DET
BUFFER RAM (24 BLOCK)
TIMING GENERATOR AND SYSTEM CONTROLLER
XTAL OSC AND DIVIDER
XIN
XOUT
SYNC
T6 (ERROR 57K/BE1)
T7 (CORREC AR1-1D/BE0)
DATA RAM 16 BIT
FRAG RAM 16 BIT
SYNDROME REGISTER AND ERROR CORRECTION
SOFT DECISION
PARALLEL TO SERIAL
CCB INTERFACE
POWER ON RESET
D0
CL
D1
CE
SYR

STK402-050 (MA: IC701)

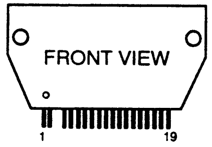


FRONT VIEW
1
15

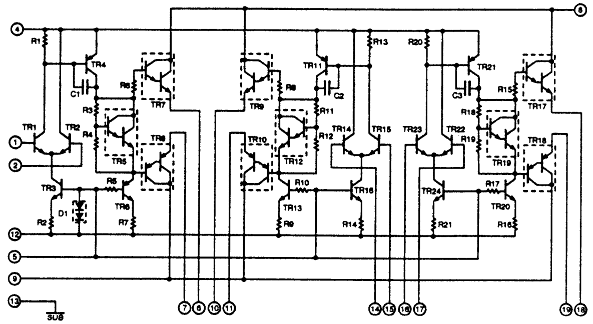


TR1
TR2
TR3
TR4
TR5
TR6
TR7
TR8
TR9
TR10
TR11
TR12
TR13
TR14
TR15
TR16
R1
R2
R3
R4
R5
R6
R7
R8
R9
R10
R11
R12
R13
R14
C1
C2
D1
SUB

STK402-250 (MA: IC702)

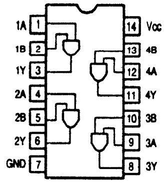


FRONT VIEW
1
19



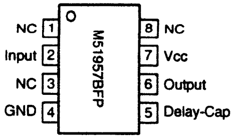
TR1
TR2
TR3
TR4
TR5
TR6
TR7
TR8
TR9
TR10
TR11
TR12
TR13
TR14
TR15
TR16
TR17
TR18
TR19
TR20
TR21
TR22
TR23
TR24
R1
R2
R3
R4
R5
R6
R7
R8
R9
R10
R11
R12
R13
R14
R15
R16
R17
R18
R19
R20
R21
C1
C2
C3
D1
SUB

TC74HC32AF (MA: IC102)

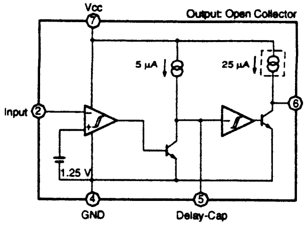


1A 1
1B 2
1Y 3
2A 4
2B 5
2Y 6
GND 7
14 Vcc
13 4B
12 4A
11 4Y
10 3B
9 3A
8 3Y

M51957BFP (MA: IC104)

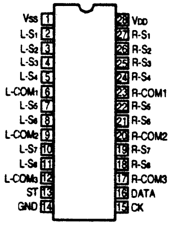


NC 1
Input 2
NC 3
GND 4
M51957BFP
8 NC
7 Vcc
6 Output
5 Delay-Cap

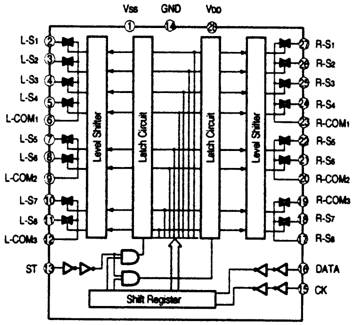


Vcc
Output: Open Collector
5 μA
25 μA
Input
Output
1.25 V
GND
Delay-Cap

TC9164AN (MA: IC501)

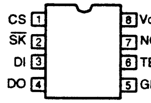


Vss 1
L-S1 2
L-S2 3
L-S3 4
L-S4 5
L-COM1 6
L-S5 7
L-S6 8
L-COM2 9
L-S7 10
L-S8 11
L-COM3 12
ST 13
GND 14
28 VDD
27 R-S1
26 R-S2
25 R-S3
24 R-S4
23 R-COM1
22 R-S5
21 R-S6
20 R-COM2
19 R-S7
18 R-S8
17 R-COM3
16 DATA
15 CK



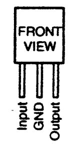
Vss
GND
VDD
L-S1
L-S2
L-S3
L-S4
L-COM1
L-S5
L-S6
L-COM2
L-S7
L-S8
L-COM3
ST
Level Shifter
Latch Circuit
Latch Circuit
Level Shifter
Shift Register
R-S1
R-S2
R-S3
R-S4
R-COM1
R-S5
R-S6
R-COM2
R-COM3
R-S7
R-S8
DATA
CK

S29590A (MA: IC103)



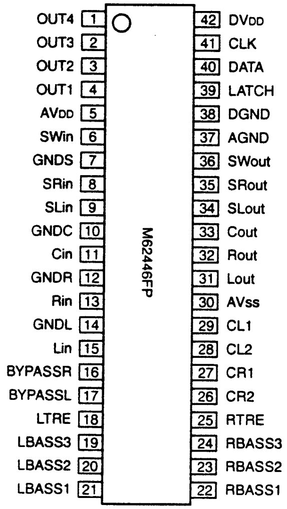
CS 1
SK 2
DI 3
DO 4
8 Vcc
7 NC
6 TEST
5 GND

BA05T (MA: IC902,903)
(D/V: IC910)
NJM7812FA(S) (MA: IC908)

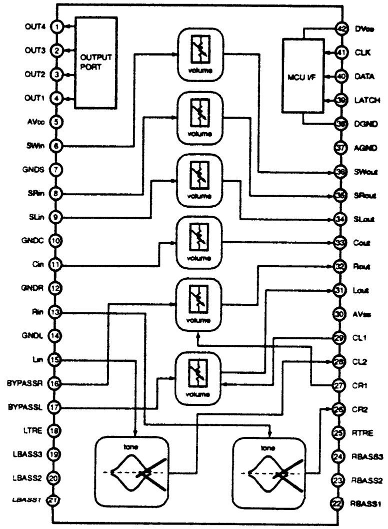


FRONT VIEW
Input
GND
Output

M62446FP (DS: IC604)

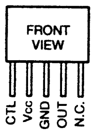


OUT4 1
OUT3 2
OUT2 3
OUT1 4
AVDD 5
SWin 6
GNDS 7
SRin 8
SLin 9
GNDC 10
Cin 11
GNDR 12
Rin 13
GNDL 14
Lin 15
BYPASSR 16
BYPASSL 17
LTRE 18
LBASS3 19
LBASS2 20
LBASS1 21
M62446FP
42 DVDD
41 CLK
40 DATA
39 LATCH
38 DGND
37 AGND
36 SWout
35 SRout
34 SLout
33 Cout
32 Rout
31 Lout
30 AVss
29 CL1
28 CL2
27 CR1
26 CR2
25 RTRE
24 RBASS3
23 RBASS2
22 RBASS1



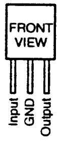
OUT4
OUT3
OUT2
OUT1
AVDD
SWin
GNDS
SRin
SLin
GNDC
Cin
GNDR
Rin
GNDL
Lin
BYPASSR
BYPASSL
LTRE
LBASS3
LBASS2
LBASS1
OUTPUT PORT
MCU I/F
volume
tone
DVDD
CLK
DATA
LATCH
DGND
AGND
SWout
SRout
SLout
Cout
Rout
Lout
AVss
CL1
CL2
CR1
CR2
RTRE
RBASS3
RBASS2
RBASS1

BA05ST (MA: IC904,905)
BA12ST (MA: IC907)



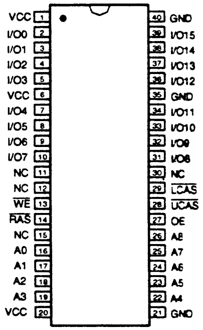
FRONT VIEW
CTL
Vcc
GND
OUT
N.C.

NJM7912FA (MA: IC909)



FRONT VIEW
Input
GND
Output

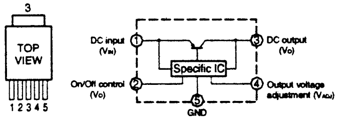
4M DRAM (SOJ)-35 (DVD: IC507,509)
- **IS41C16256**
- **M11B416256A**


VCC 1
I/O0 2
I/O1 3
I/O2 4
I/O3 5
VCC 6
I/O4 7
I/O5 8
I/O6 9
I/O7 10
NC 11
NC 12
WE 13
RAS 14
NC 15
A0 16
A1 17
A2 18
A3 19
VCC 20
40 GND
39 I/O15
38 I/O14
37 I/O13
36 I/O12
35 GND
34 I/O11
33 I/O10
32 I/O9
31 I/O8
30 NC
29 LCAS
28 UCAS
27 OE
26 A8
25 A7
24 A6
23 A5
22 A4
21 GND

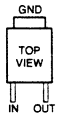
Terminal Function

Name	Function
A0-A8	Address Inputs
I/O0-15	Data Inputs/Outputs
WE	Write Enable
OE	Output Enable
RAS	Row Address Strobe
UCAS	Apper Column Address Strobe
LCAS	Lower Column Address Strobe
Vcc	Power
GND	Ground
NC	No Connection

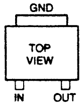
PQ070XZ01Z (DVD: IC112)


3
TOP VIEW
1 2 3 4 5
DC input (VIN) ①
On/Off control (Vc) ②
Specific IC
③ DC output (Vo)
④ Output voltage adjustment (VADJ)
⑤ GND

BA033FP
(DVD: IC113,512)

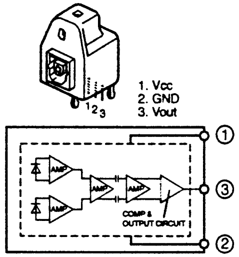

GND
TOP VIEW
IN
OUT

MJM7805DL1A (DS: IC120)
NJM2391DL1-25 (DS: IC121)
NJM2391DL1-33 (DS: IC122)

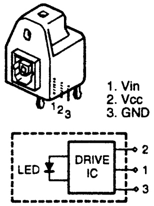

GND
TOP VIEW
IN
OUT

● OPTICAL

INPUT
GP1FA551RZ (D/V: IC307,312)

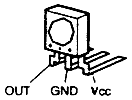

1 2 3
1. Vcc
2. GND
3. Vout
①
③
②
AMP
AMP
AMP
AMP
COMP & OUTPUT CIRCUIT

OUTPUT
GP1FA551TZ (D/V: IC306)


1 2 3
1. Vin
2. Vcc
3. GND
LED
DRIVE IC
2
1
3

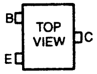
● REMOTE CONTROL SENSOR

RPM6938-V4 (D/V: IC702)

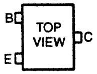


● TRANSISTORS

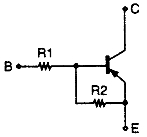
2SA1037K
2SB709A
2SC2412K
2SD601A
KTC2875B


B
E
TOP VIEW
C

DTA114EK
DTA144TK
DTC114EK
DTC114YK
DTC143TK
DTC144EK
DTC323TK

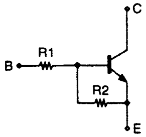

B
E
TOP VIEW
C

DTA Series



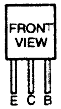
	R1	R2
DTA114EK	10kohm /Ω	10kohm /Ω
DTA114ES	10kohm /Ω	10kohm /Ω
DTA114TK	47kohm /Ω	–

DTC Series

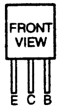


	R1	R2
DTC114EK	10kohm /Ω	10kohm /Ω
DTC114YK	10kohm /Ω	47kohm /Ω
DTC143TK	4.7kohm/Ω	–
DTC323TK	2.2kohm/Ω	–
DTC144EK	47kohm /Ω	47kohm /Ω

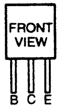
2SA1015
2SB562
2SC1740S
2SC2878
2SD1858
KTC2874B


FRONT VIEW
E C B

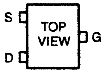
DTA114ES


FRONT VIEW
E C B

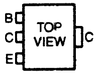
KTA1659A


FRONT VIEW
B C E

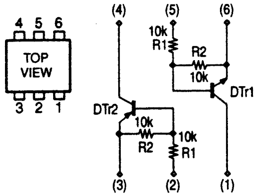
2SK771


S
D
TOP VIEW
G

2SB1260

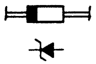

B
C
E
TOP VIEW
C

IMD3A

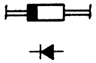

4 5 6
TOP VIEW
3 2 1
(4)
(5)
(6)
10k
R1
R2
10k
DTr1
DTr2
10k
R2
10k
R1
(3)
(2)
(1)

● DIODES (LED included)

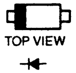
MTZJ5.1A
MTZJ5.6A
MTZJ7.5A
MTZJ8.2A



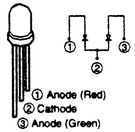
1SS270A
1SR35-400A



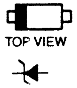
1SS355



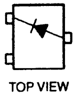
SPR-54MVW


①
②
③
① Anode (Red)
② Cathode
③ Anode (Green)

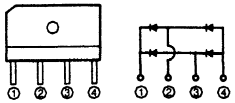
UDZS5.1B



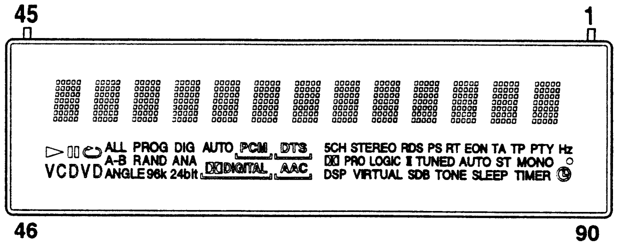
MA152A



D3SBA60
D5SBA20



● FL DISPLAY 15ST36GN (D/V: FL701)


45
1
46
90
ALL PROG DIG AUTO PCM DTS
A-B RAND ANA
VCDVD ANGLE 96k 24bit DIGITAL AAC
5CH STEREO RDS PS RT EON TA TP PTY Hz
PRO LOGIC II TUNED AUTO ST MONO
DSP VIRTUAL SDB TONE SLEEP TIMER

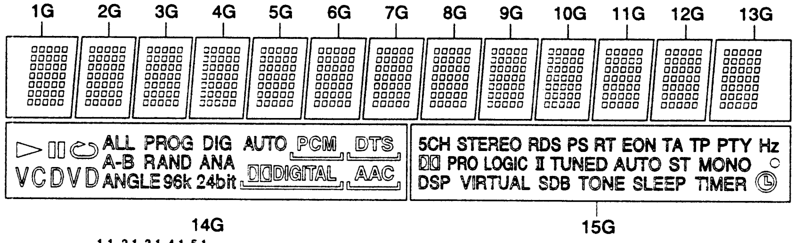
Pin Assignment

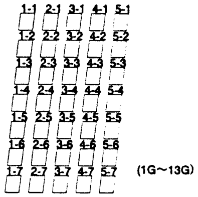
Pin No,	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
Connection	F2	F2	NP	NP	IC	1G	2G	3G	4G	5G	6G	7G	8G	9G	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	NP	NP	F1	F1

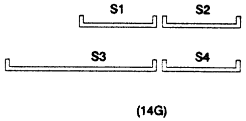
Pin No,	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
Connection	F2	F2	NP	NP	IC	10G	11G	12G	13G	14G	15G	P17	P18	P19	P20	P21	P22	P23	P24	P25	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	P26	P27	P28	P29	P30	P31	P32	P33	P34	P35	NP	NP	F1	F1

Note: 1. Fn: Filament
2. nG: Grid
3. Pn: Anode
4. NP: No Pin
5. NX: No Connection

Grid Partition


1G
2G
3G
4G
5G
6G
7G
8G
9G
10G
11G
12G
13G
ALL PROG DIG AUTO PCM DTS
A-B RAND ANA
VCDVD ANGLE 96k 24bit DIGITAL AAC
5CH STEREO RDS PS RT EON TA TP PTY Hz
PRO LOGIC II TUNED AUTO ST MONO
DSP VIRTUAL SDB TONE SLEEP TIMER
14G
15G

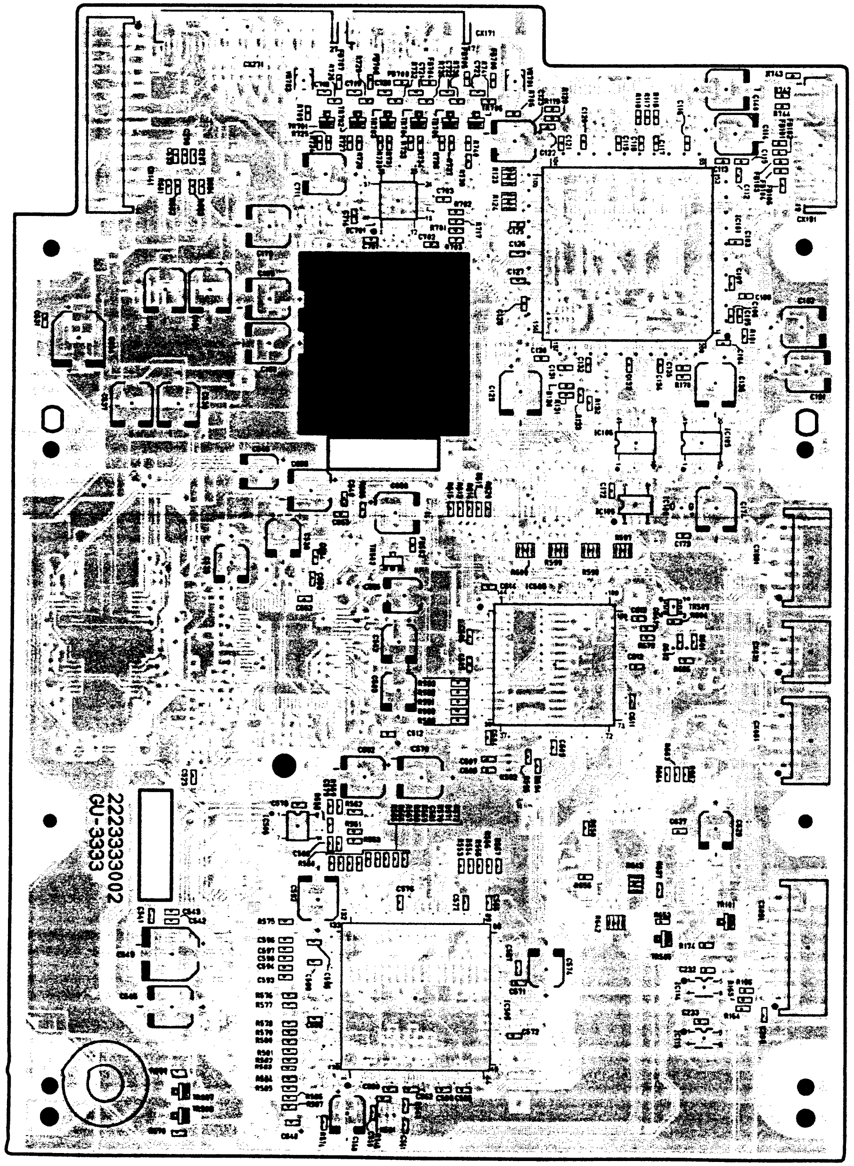

1-1 2-1 3-1 4-1 5-1
1-2 2-2 3-2 4-2 5-2
1-3 2-3 3-3 4-3 5-3
1-4 2-4 3-4 4-4 5-4
1-5 2-5 3-5 4-5 5-5
1-6 2-6 3-6 4-6 5-6
1-7 2-7 3-7 4-7 5-7
(1G~13G)


S1
S2
S3
S4
(14G)

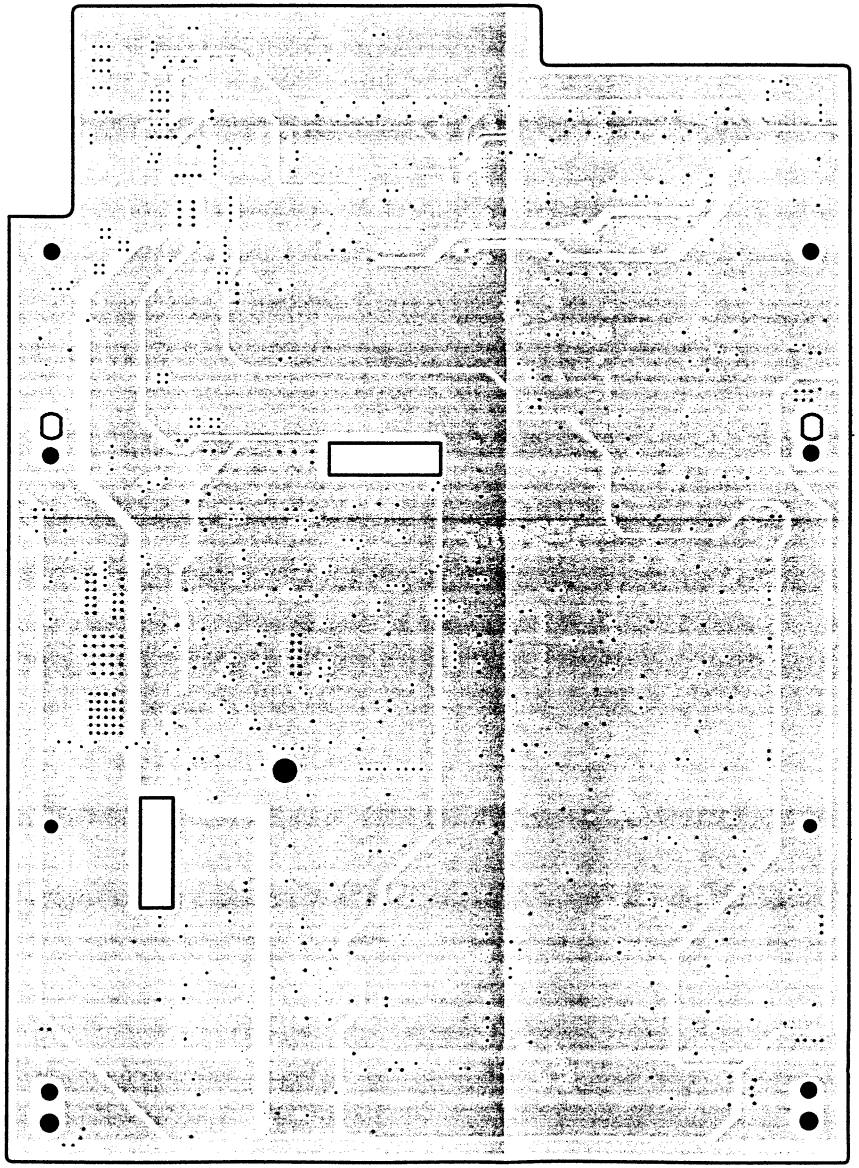
PRINTED WIRING BOARDS

1
2
3
4
5
6
7
8
A
B
C
D
E

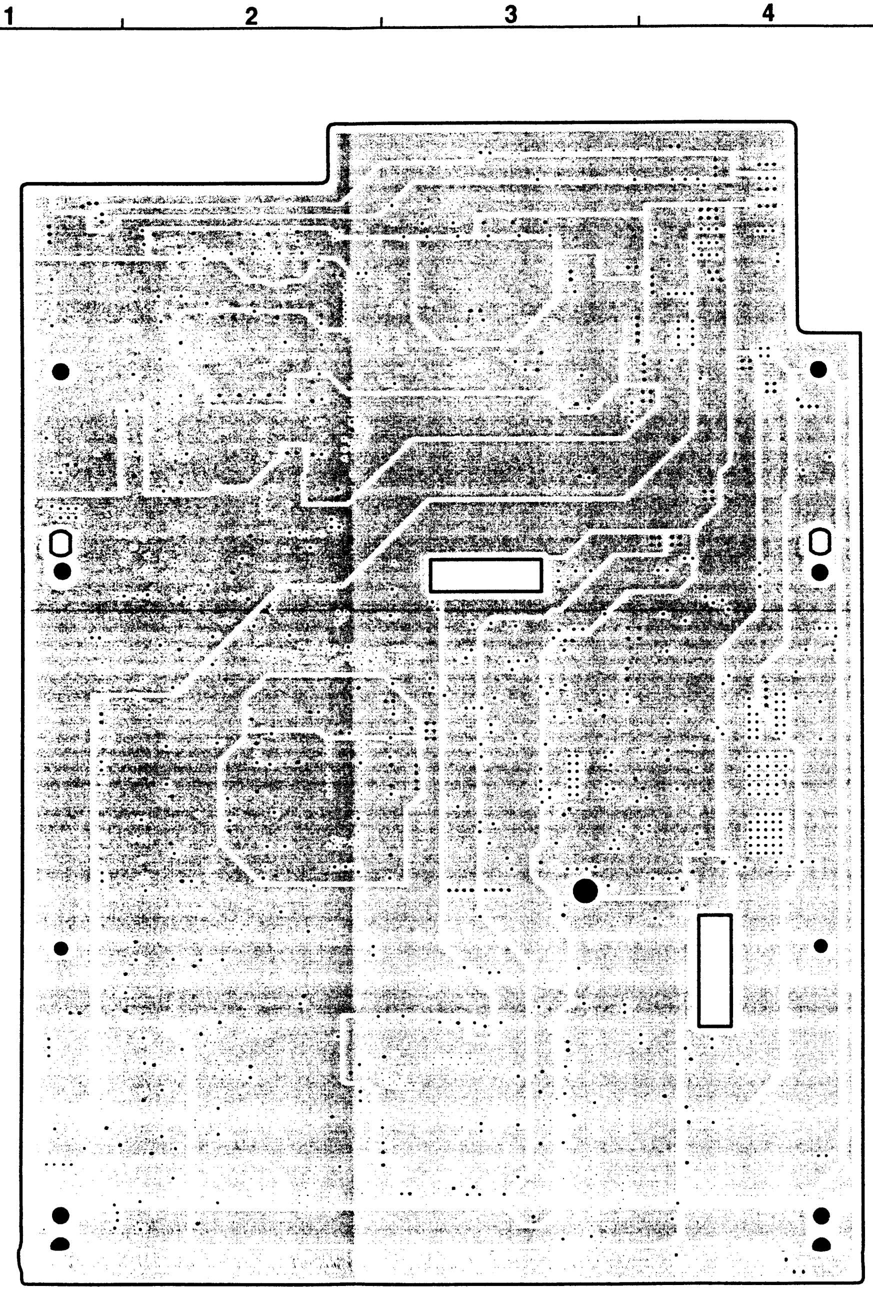
GU-3333 DVD MAIN P.W.B. Ass'y


2223333002
GU-3333

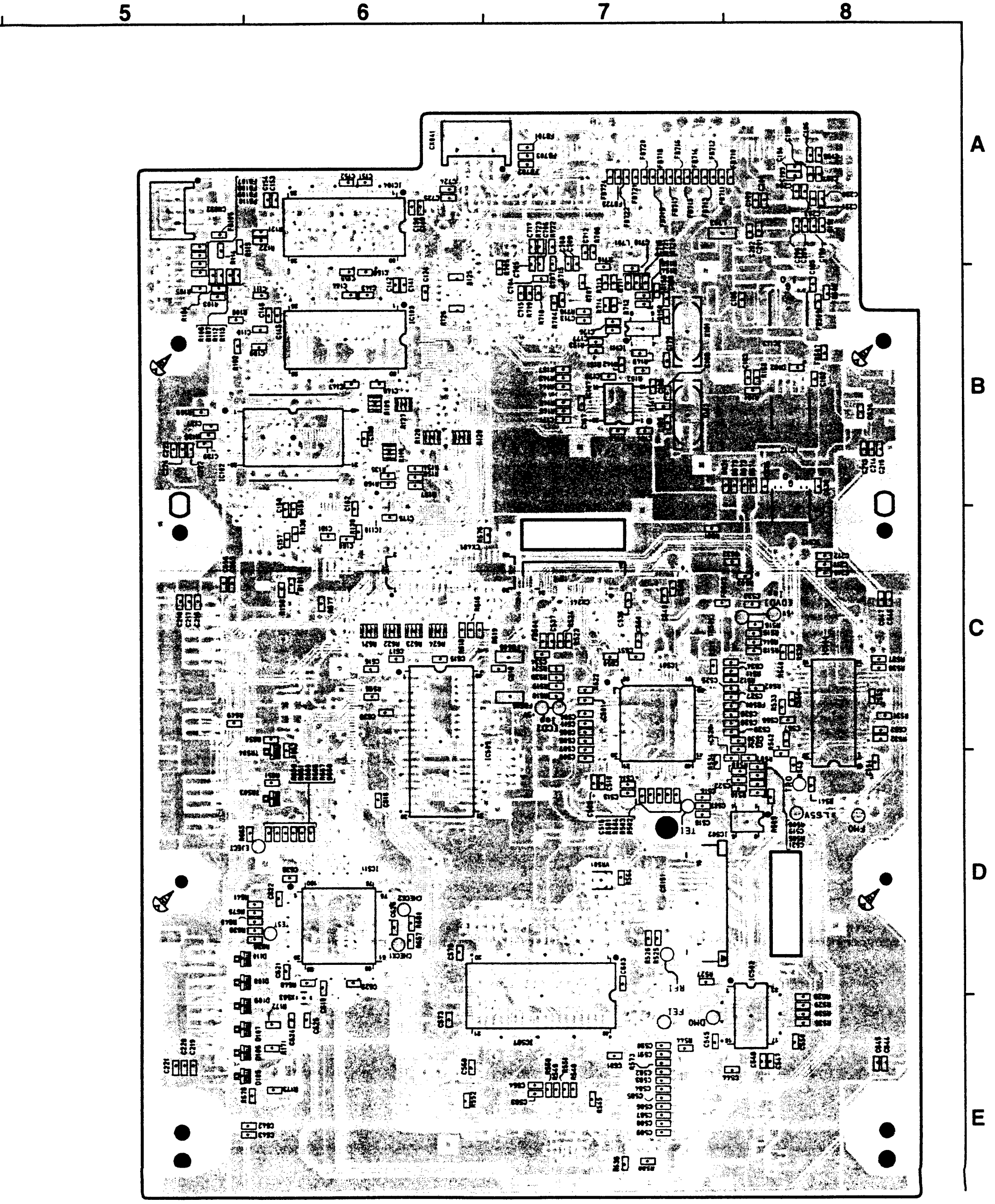
COMPONENT SIDE



INTERNAL LAYER

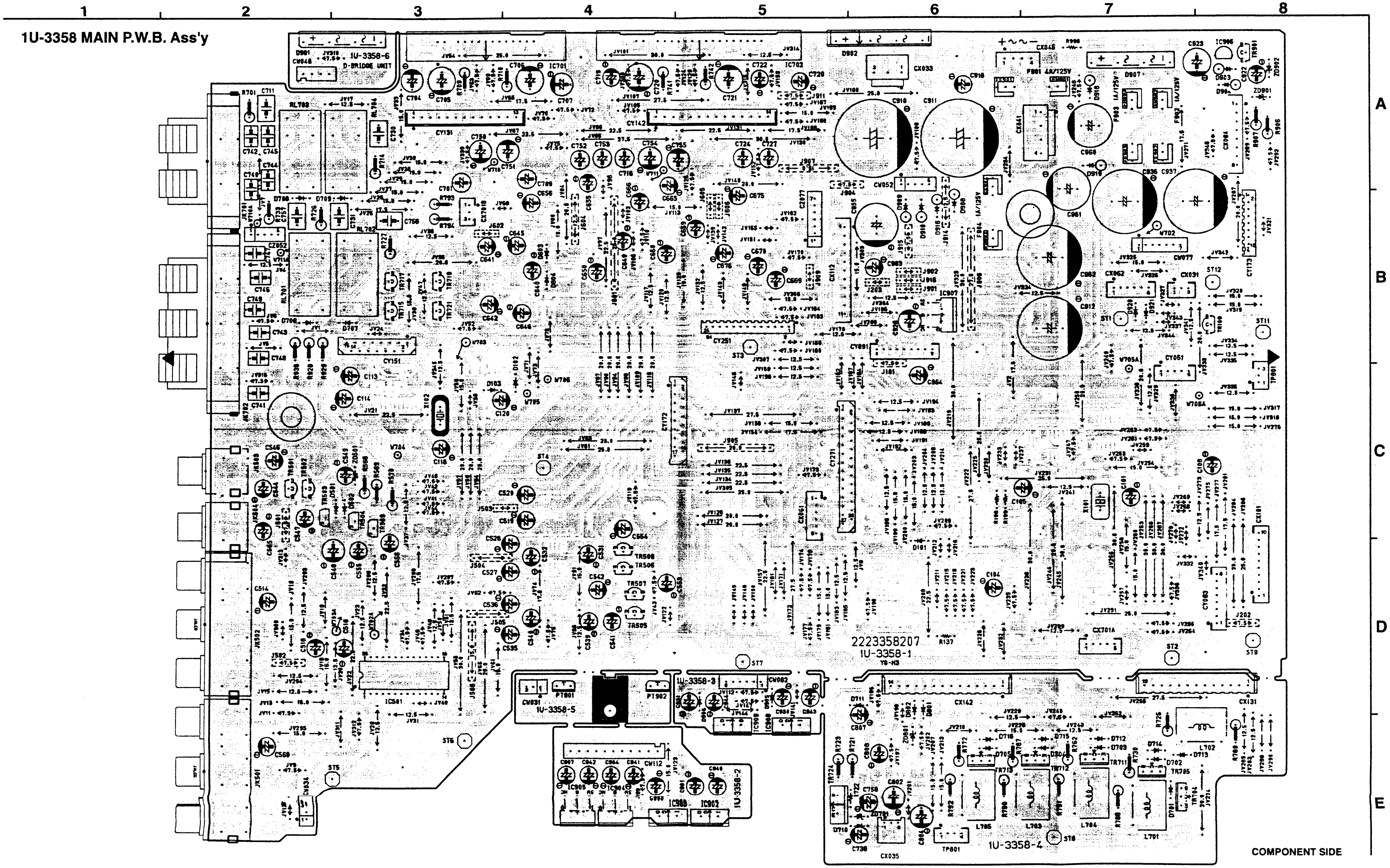


INTERNAL LAYER

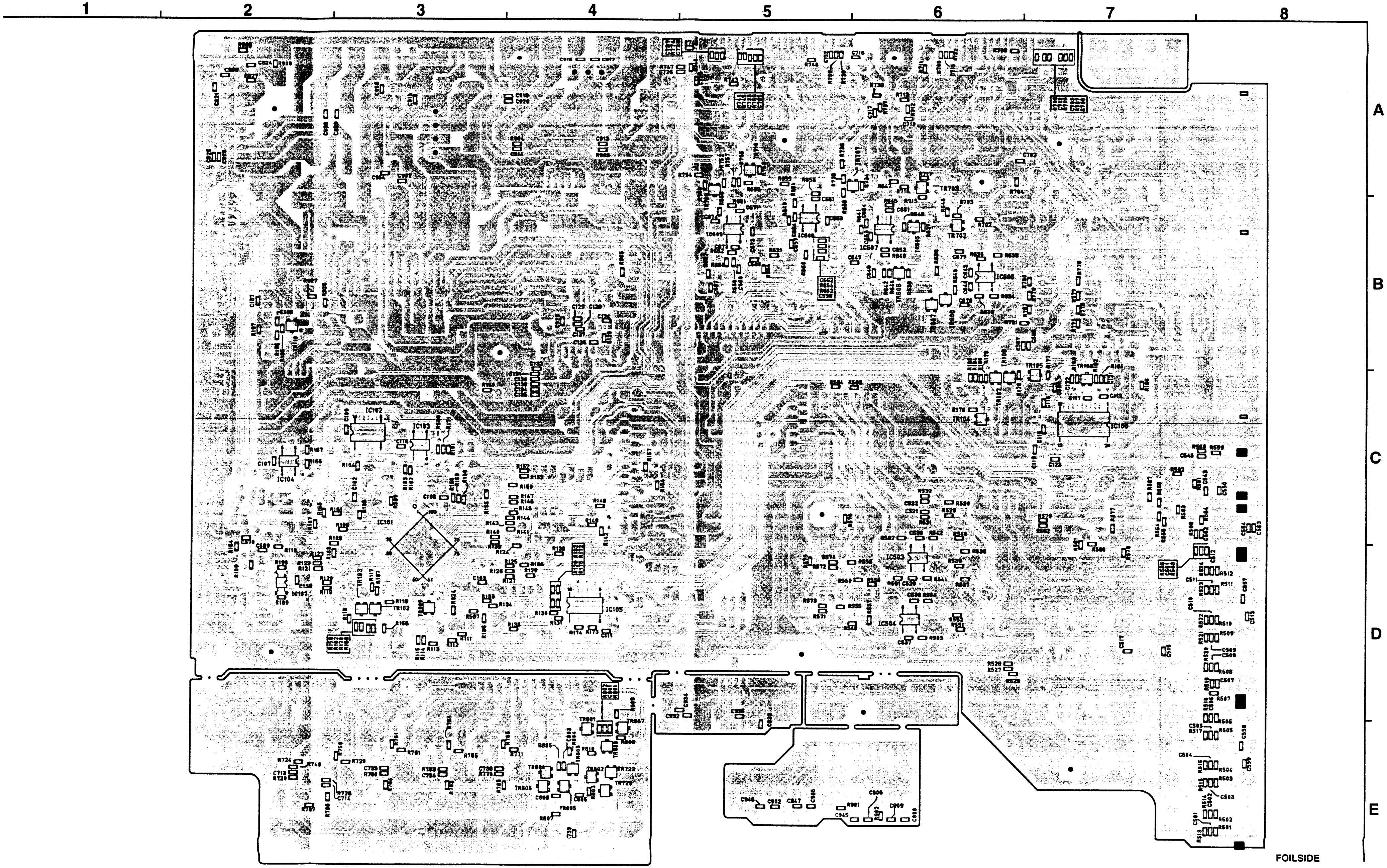


FOIL SIDE

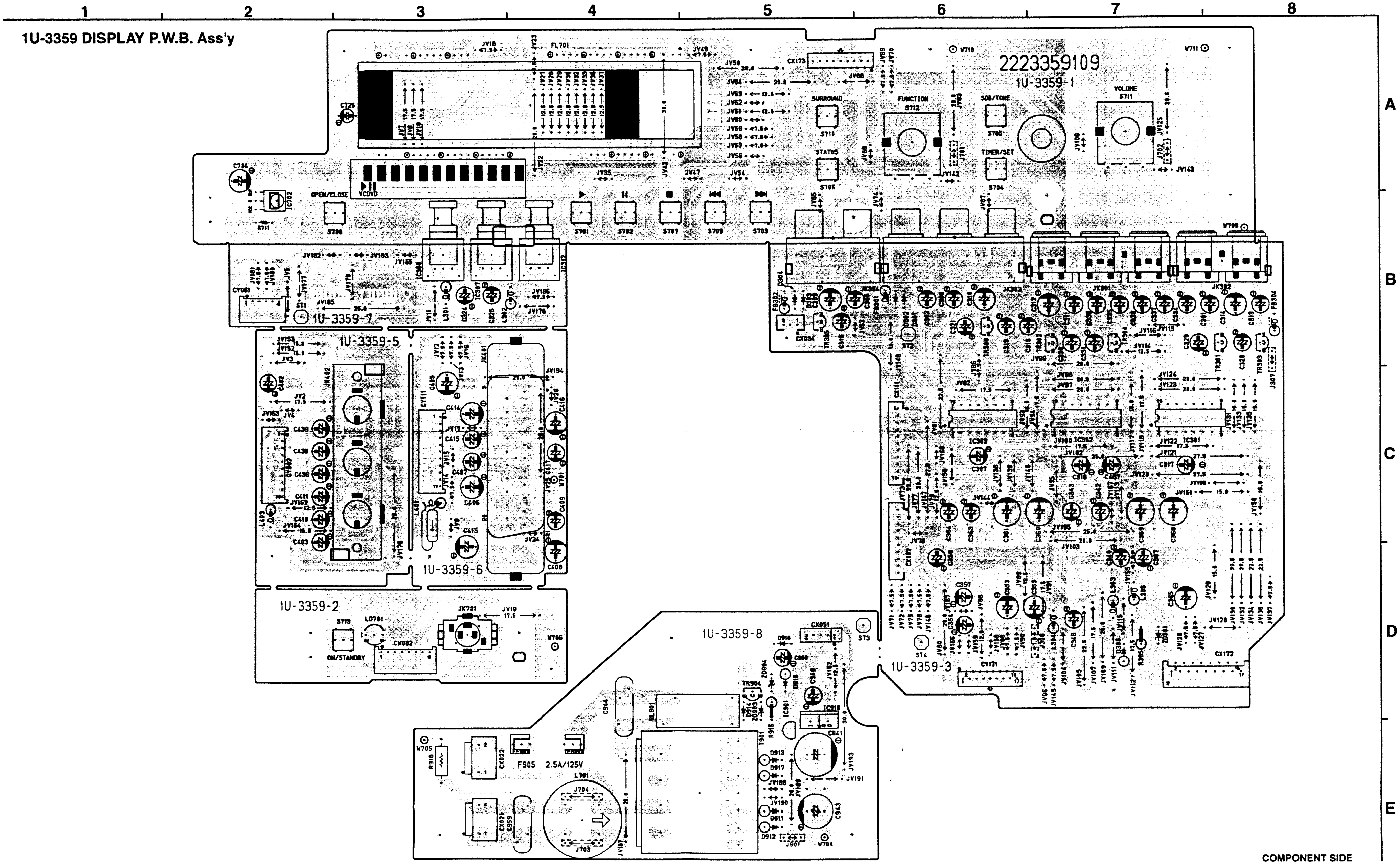
1U-3358 MAIN P.W.B. Ass'y

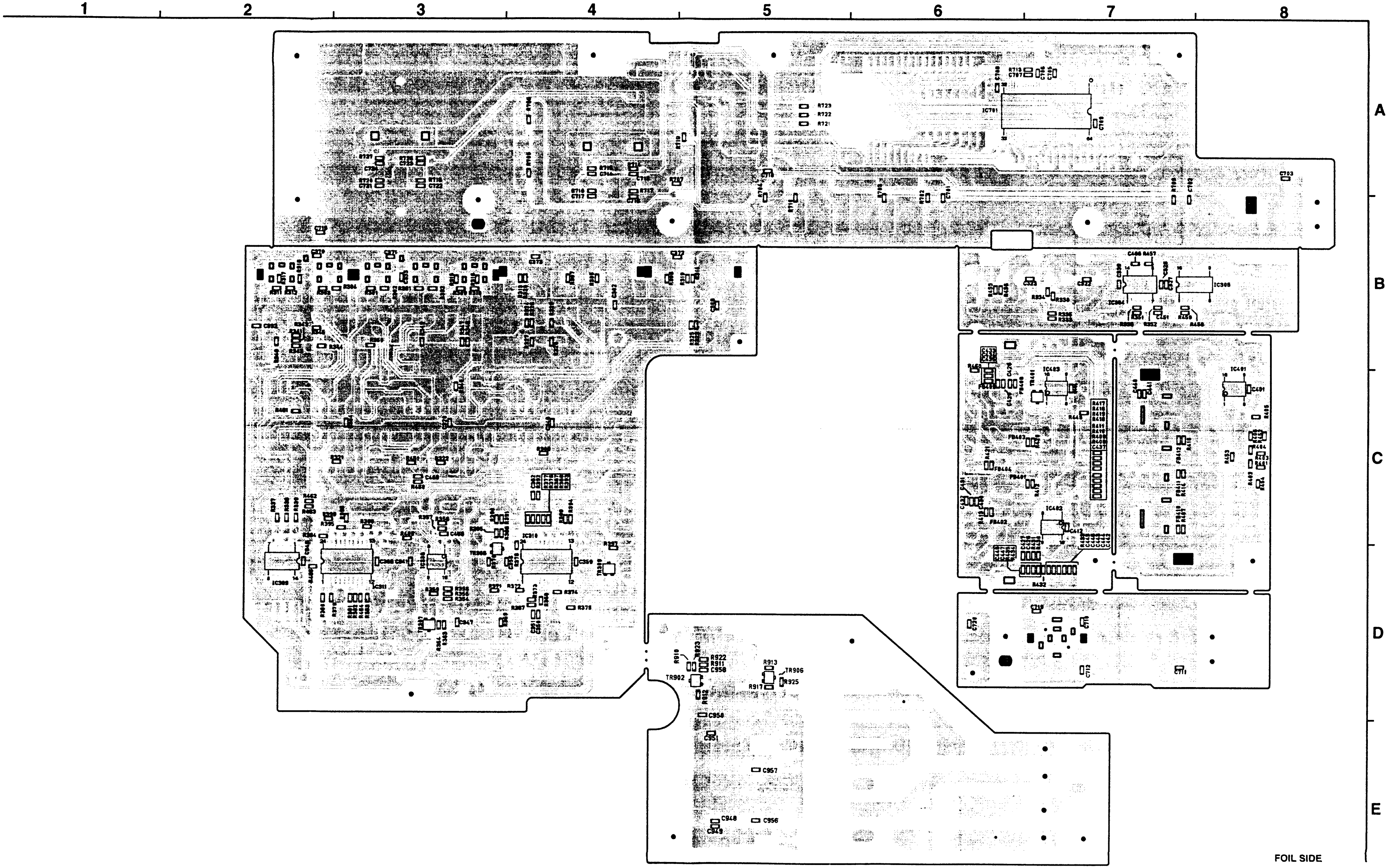

1
2
3
4
5
6
7
8
A
B
C
D
E
1U-3358-6
D-BRIDGE UNIT
2223358207
1U-3358-1
YS-H3
1U-3358-5
1U-3358-3
1U-3358-2
1U-3358-4
F801 4A/125V
IC701
IC702
ST1
ST2
ST3
ST4
ST5
ST6
ST7
ST8
ST9
ST11
ST12
CX131
CX142
CX035
TP601
IC501
IC905
IC904
IC902
IC903

COMPONENT SIDE


1
2
3
4
5
6
7
8
A
B
C
D
E
IC101
IC102
IC103
IC104
IC105
IC106
IC107
IC503
IC504
IC506
IC507
IC508
IC509
FOILSIDE

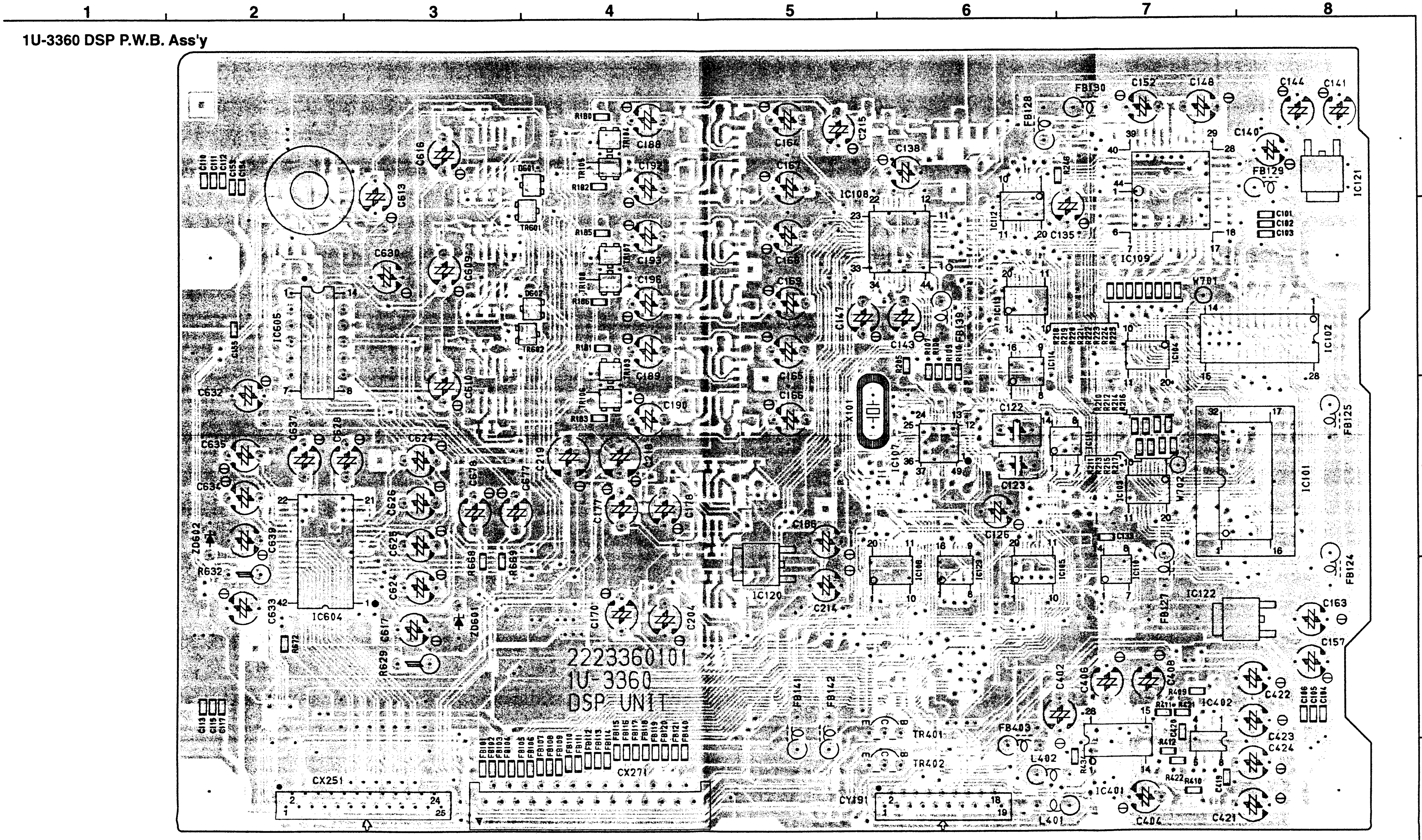
1U-3359 DISPLAY P.W.B. Ass'y


1
2
3
4
5
6
7
8
A
B
C
D
E
2223359109
1U-3359-1
1U-3359-2
1U-3359-3
1U-3359-5
1U-3359-6
1U-3359-7
1U-3359-8
FL701
OPEN/CLOSE
VCDVD
SURROUND
STATUS
FUNCTION
S712
SUB/TONE
TIMER/SET
VOLUME
S711
ON/STANDBY
JK701
JK301
JK302
JK303
JK304
JK401
JK402
F905
2.5A/125V
L701
CX172
CX173
CX051
W705
W711
W710
COMPONENT SIDE

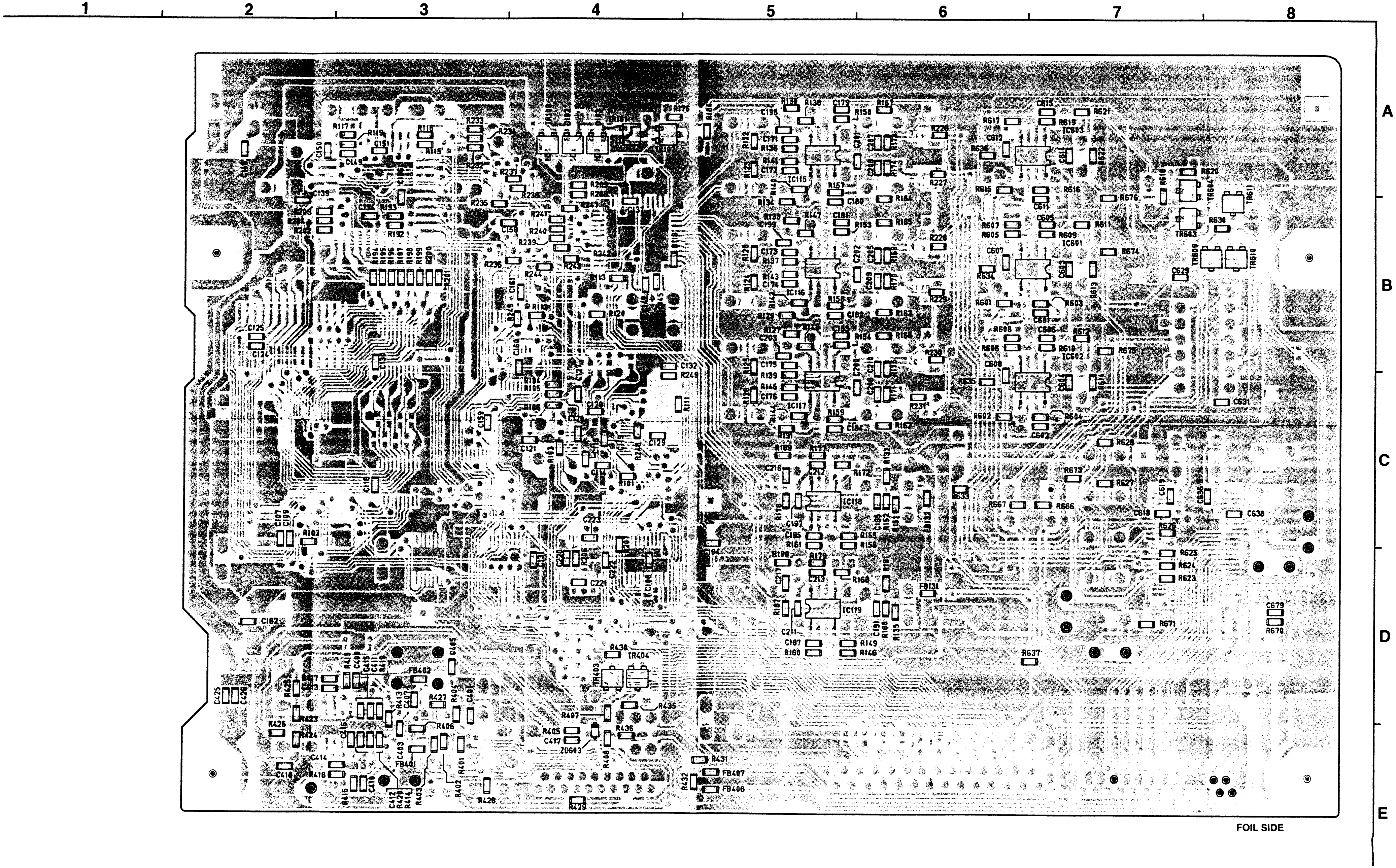

1
2
3
4
5
6
7
8
A
B
C
D
E
IC701
R723
R722
R721
IC306
IC403
IC401
IC402
R910
R923
R922
R911
C958
R913
TR906
TR902
R917
R925
R912
C950
C951
C957
C948
C949
C956
C711
C712

FOIL SIDE

1U-3360 DSP P.W.B. Ass'y


1
2
3
4
5
6
7
8
A
B
C
D
E
2223360101
1U-3360
DSP UNIT
IC101
IC102
IC104
IC105
IC106
IC107
IC108
IC109
IC110
IC112
IC113
IC114
IC120
IC121
IC122
IC123
IC401
IC402
IC505
IC604
X101
TR401
TR402
TR601
TR602
D601
D602
ZD601
ZD602
CX251
CX271
CY191
L401
L402
W701
W702
FB124
FB125
FB127
FB128
FB129
FB130
FB139
FB141
FB142
FB403
C122
C123
C126
C135
C138
C140
C141
C143
C144
C147
C148
C152
C157
C163
C164
C165
C166
C167
C168
C169
C170
C177
C178
C186
C188
C189
C190
C192
C193
C196
C204
C214
C215
C216
C219
C402
C404
C406
C408
C421
C422
C423
C424
C613
C616
C617
C618
C624
C625
C626
C627
C628
C630
C632
C633
C634
C635
C637
C639
R180
R181
R182
R183
R185
R186
R409
R412
R422
R629
R632
R672

COMPONENT SIDE


1
2
3
4
5
6
7
8
A
B
C
D
E
R117
R119
R116
R115
C150
C151
C149
C148
R233
R234
R232
R231
R230
R235
C139
R209
C134
R193
R192
R194
R195
R196
R197
R198
R199
R200
R201
R236
R241
R240
R239
C159
R244
R243
R242
R113
R112
R120
C125
C124
C132
R249
R111
R104
R105
R108
C121
R103
C129
R101
C118
C107
C109
R102
C223
C220
C222
C221
C206
C162
R176
TR101
R136
R138
C179
R150
R152
C198
R122
C171
R136
R141
C172
R121
IC115
R157
C180
R164
R134
R227
R226
R139
C199
R147
C181
R153
R165
R128
C173
R137
R124
R143
C174
IC116
R158
C182
R163
R229
R228
R127
C203
C185
R154
R160
R125
C175
R139
R145
C176
IC117
R159
C184
R162
R231
R230
R169
R171
C216
R172
R132
C197
IC118
C195
R161
R155
R156
R196
R179
C217
C213
R168
C211
IC119
C191
C187
R180
R149
R148
FB132
FB131
C615
R621
R617
R619
IC603
C612
R636
R615
R616
C611
R676
R607
R605
C605
R609
IC601
R611
C607
R674
R634
R601
R603
R608
C601
C606
R612
R606
R610
IC602
R675
C609
R635
R602
R604
C602
R618
R620
TR604
TR611
TR603
R630
TR609
TR610
C629
C631
R628
R673
R627
R633
R667
R666
C619
C636
C618
C630
R626
R625
R624
R623
R671
C679
R670
R637
R430
TR404
TR403
R407
R435
R405
C417
ZD603
R436
R408
R431
R432
FB407
FB408
R429
R428
C405
FB402
R417
C413
C425
C426
R425
R423
R426
R424
C414
C418
R418
R416
C412
R420
R414
R403
FB401
R427
C407
R413
R406
R402
R401

FOIL SIDE

NOTE FOR PARTS LIST

- Part indicated with the mark "⊙" are not always in stock and possibly to take a long period of time for supplying, or in some case supplying of part may be refused.
- When ordering of part, clearly indicate "1" and "I" (i) to avoid mis-supplying.
- Ordering part without stating its part number can not be supplied.
- Part indicated with the mark "★" is not illustrated in the exploded view.
- Not including Carbon Film ±5%, 1/4W Type in the P.W.Board parts list. (Refer to the Schematic Diagram for those parts.)

WARNING:

Parts marked with this symbol ⚠ ▭ have critical characteristics.
Use ONLY replacement parts recommended by the manufacturer.

● Resistors

Ex.:	RN	14K	2E	182	G	FR
	Type	Shape and performance	Power	Resistance	Allowable error	Others

RD : Carbon	2B : 1/8W	F : ±1%	P : Pulse-resistant type
RC : Composition	2E : 1/4W	G : ±2%	NL : Low noise type
RS : Metal oxide film	2H : 1/2W	J : ±5%	NB : Non-burning type
RW : Winding	3A : 1W	K : ±10%	FR : Fuse-resistor
RN : Metal film	3D : 2W	M : ±20%	F : Lead wire forming
RK : Metal mixture	3F : 3W		
	3H : 5W		

✱ Resistance

1 8 2 ⇒ 1800 ohm = 1.8 kohm
2 — Indicates number of zeros after effective number.
1 8 — 2-digit effective number.

- Units: ohm

1 R 2 ⇒ 1.2 ohm
2 — 1-digit effective number.
1 R — 2-digit effective number, decimal point indicated by R.

- Units: ohm

● Capacitors

Ex.:	CE	04W	1H	2R2	M	BP
	Type	Shape and performance	Dielectric strength	Capacity	Allowable error	Others

CE : Aluminum foil electrolytic	0J : 6.3V	F : ±1%	HS : High stability type
CA : Aluminum solid electrolytic	1A : 10V	G : ±2%	BP : Non-polar type
CS : Tantalum electrolytic	1C : 16V	J : ±5%	HR : Ripple-resistant type
CQ : Film	1E : 25V	K : ±10%	DL : For change and discharge
CK : Ceramic	1V : 35V	M : ±20%	HF : For assuring high requency
CC : Ceramic	1H : 50V	Z : +80%	U : UL part
CP : Oil	2A : 100V	−20%	C : CSA part
CM : Mica	2B : 125V	P : +100%	W : UL-CSA type
CF : Metallized	2C : 160V	−0%	F : Lead wire forming
CH : Metallized	2D : 200V	C : ±0.25pF	
	2E : 250V	D : ±0.5pF	
	2H : 500V	= : Others	
	2J : 630V		

✱ Capacity (electrolyte only)

2 2 2 ⇒ 2200μF
2 — Indicates number of zeros after effective number.
2 2 — 2-digit effective number.

- Units: μF.

2 R 2 ⇒ 2.2μF
2 — 1-digit effective number.
2 R — 2-digit effective number, decimal point indicated by R.

- Units: μF.

✱ Capacity (except electrolyte)

2 2 2 ⇒ 2200pF=0.0022μF
2 — (More than 2) — Indicates number of zeros after effective number.
2 2 — 2-digit effective number.

- Units: pF.

2 2 1 ⇒ 220pF
1 — (0 or 1) — Indicates number of zeros after effective number.
2 2 — 2-digit effective number.

- Units: pF.

- When the dielectric strength is indicated in AC, "AC" is included after the dieelectric strength value.

PARTS LIST OF P.W.B. UNIT

GU-3333Z DVD MAIN P.W.B. UNIT ASS'Y

Ref. No.	Part No.	Part Name	Remarks
SEMICONDUCTORS GROUP			
IC101	262 2811 002	IC ES4408F	
IC102	GEN 5274	ROM SUB ASS'Y(UADV7)	IC HY29F080T
IC103,104	262 2875 006	IC 16M SDRAM(TSOP)-8	
IC105	262 2801 902	IC SN74AHCT273PW	
IC108	262 2739 906	IC S-24C01AFJA	
IC110	262 2889 908	IC NC7ST32M5X	
IC111	262 1953 903	IC TC7WU04F	
IC112	263 1110 901	IC PQ070XZ01ZP	
IC113	263 1079 903	IC BA033FP	
IC114,115	262 2941 901	IC TC7WT125FU	
IC501	262 2802 008	IC TA1293F	
IC502	263 0425 901	IC NJM4558M	
IC503	263 1109 909	IC AN8471SA	
IC504	263 1080 905	IC BA5952AFP	
IC505	262 2803 007	IC TC9453F	
IC506	262 2892 908	IC 74VHC4066MTC	
IC507	262 2877 907	IC 4M DRAM(SOJ)-35	
IC508	262 2798 002	IC TC9469BF	
IC509	262 2877 907	IC 4M DRAM(SOJ)-35	
IC511	262 2911 203	IC TMP95CW64F-****	
IC512	263 1079 903	IC BA033FP	
IC701	262 2799 001	IC ADV7172KST	
TR101	269 0082 902	Transistor DTC114EK	
TR501,502	272 0156 902	Transistor 2SB1260-Q	
TR503-505	269 0091 906	Transistor DTC143TK	
TR507,508	269 0106 901	Transistor DTA144TK	
TR509	269 0171 907	Transistor IMD3A	
TR701-703	272 0125 904	Transistor 2SB709A	
TR705,706	272 0125 904	Transistor 2SB709A	
D102	276 0717 903	Diode 1SS355	
D305	276 0717 903	Diode 1SS355	
D501,502	276 0717 903	Diode 1SS355	
ZD702	276 0683 930	Zener diode UDZS5.1B	
RESISTORS GROUP			
R101	247 2007 943	Carbon chip 1kohm 1/16W	RM73B--102J
R102-104	247 2009 909	Carbon chip 4.7kohm 1/16W	RM73B--472J
R106,107	247 2004 920	Carbon chip 47ohm 1/16W	RM73B--470J
R108	247 2009 909	Carbon chip 4.7kohm 1/16W	RM73B--472J
R109,110	247 9002 912	Chip network 6.8kohm 1/16W	MNR14=682JEOAB
R112,113	247 2004 920	Carbon chip 47ohm 1/16W	RM73B--470J
R115	247 2004 920	Carbon chip 47ohm 1/16W	RM73B--470J

Ref. No.	Part No.	Part Name	Remarks
R116-122	247 2009 941	Carbon chip 6.8kohm 1/16W	RM73B--682J
R123-129	247 9002 909	Chip network 33ohm 1/16W	MNR14=330JE0AB
R130	247 2011 942	Carbon chip 47kohm 1/16W	RM73B--473J
R132	247 2011 942	Carbon chip 47kohm 1/16W	RM73B--473J
R134,135	247 2011 942	Carbon chip 47kohm 1/16W	RM73B--473J
R136	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K
R138	247 2007 943	Carbon chip 1kohm 1/16W	RM73B--102J
R149	247 2014 965	Carbon chip 1Mohm 1/16W	RM73B--105J
R150	247 2006 944	Carbon chip 390ohm 1/16W	RM73B--391J
R151	247 2004 975	Carbon chip 75ohm 1/16W	RM73B--750J
R153-156	247 2004 975	Carbon chip 75ohm 1/16W	RM73B--750J
R157,158	247 2007 943	Carbon chip 1kohm 1/16W	RM73B--102J
R160	247 2008 913	Carbon chip 2kohm 1/16W	RM73B--202J
R161	247 2007 943	Carbon chip 1kohm 1/16W	RM73B--102J
R165	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K
R167	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K
R168-170	247 2009 941	Carbon chip 6.8kohm 1/16W	RM73B--682J
R174	247 2009 983	Carbon chip 10kohm 1/16W	RM73B--103J
R501	247 2009 983	Carbon chip 10kohm 1/16W	RM73B--103J
R502	247 2006 960	Carbon chip 470ohm 1/16W	RM73B--471J
R503	247 2009 983	Carbon chip 10kohm 1/16W	RM73B--103J
R504	247 2007 943	Carbon chip 1kohm 1/16W	RM73B--102J
R505,506	247 2009 983	Carbon chip 10kohm 1/16W	RM73B--103J
R507	247 2012 925	Carbon chip 100kohm 1/16W	RM73B--104J
R508	247 2011 942	Carbon chip 47kohm 1/16W	RM73B--473J
R510	247 2012 925	Carbon chip 100kohm 1/16W	RM73B--104J
R511,512	247 2011 942	Carbon chip 47kohm 1/16W	RM73B--473J
R513,514	247 2005 958	Carbon chip 160ohm 1/16W	RM73B--161J
R515,516	247 2005 945	Carbon chip 150ohm 1/16W	RM73B--151J
R517	247 2007 943	Carbon chip 1kohm 1/16W	RM73B--102J
R518,519	247 2005 958	Carbon chip 160ohm 1/16W	RM73B--161J
R520,521	247 2005 945	Carbon chip 150ohm 1/16W	RM73B--151J
R522	247 2007 943	Carbon chip 1kohm 1/16W	RM73B--102J
R523	247 2004 988	Carbon chip 82ohm 1/16W	RM73B--820J
R524	247 2005 903	Carbon chip 100ohm 1/16W	RM73B--101J
R525	247 2009 983	Carbon chip 10kohm 1/16W	RM73B--103J
R526,527	247 2005 903	Carbon chip 100ohm 1/16W	RM73B--101J
R528-530	247 2018 916	Carbon chip 1ohm 1/16W	RM73B--010K
R531	247 2010 972	Carbon chip 24kohm 1/16W	RM73B--243J
R532,533	247 2009 983	Carbon chip 10kohm 1/16W	RM73B--103J
R534	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K
R535	247 2018 916	Carbon chip 1ohm 1/16W	RM73B--010K
R536	247 2011 942	Carbon chip 47kohm 1/16W	RM73B--473J
R537-540	247 2018 916	Carbon chip 1ohm 1/16W	RM73B--010K
R541,542	247 2009 983	Carbon chip 10kohm 1/16W	RM73B--103J
R543-545	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K
R546	247 2014 965	Carbon chip 1Mohm 1/16W	RM73B--105J
R547	247 2006 902	Carbon chip 330ohm 1/16W	RM73B--331J
R548	247 2009 983	Carbon chip 10kohm 1/16W	RM73B--103J
R549	247 2013 982	Carbon chip 470kohm 1/16W	RM73B--474J
R550	247 2009 909	Carbon chip 4.7kohm 1/16W	RM73B--472J

Ref. No.	Part No.	Part Name	Remarks
R551,552	247 2009 983	Carbon chip 10kohm 1/16W	RM73B--103J
R553-557	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K
R558	247 2012 996	Carbon chip 200kohm 1/16W	RM73B--204J
R559	247 2009 925	Carbon chip 5.6kohm 1/16W	RM73B--562J
R560	247 2009 941	Carbon chip 6.8kohm 1/16W	RM73B--682J
R561,562	247 2009 925	Carbon chip 5.6kohm 1/16W	RM73B--562J
R563	247 2010 985	Carbon chip 27kohm 1/16W	RM73B--273J
R564	247 2011 968	Carbon chip 56kohm 1/16W	RM73B--563J
R565,566	247 2007 943	Carbon chip 1kohm 1/16W	RM73B--102J
R568	247 2013 924	Carbon chip 270kohm 1/16W	RM73B--274J
R571	247 2012 970	Carbon chip 160kohm 1/16W	RM73B--164J
R573	247 2011 942	Carbon chip 47kohm 1/16W	RM73B--473J
R574	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K
R575	247 2011 942	Carbon chip 47kohm 1/16W	RM73B--473J
R576	247 2009 983	Carbon chip 10kohm 1/16W	RM73B--103J
R577	247 2010 998	Carbon chip 30kohm 1/16W	RM73B--303J
R578	247 2011 942	Carbon chip 47kohm 1/16W	RM73B--473J
R579-585	247 2009 983	Carbon chip 10kohm 1/16W	RM73B--103J
R586	247 2008 968	Carbon chip 3.3kohm 1/16W	RM73B--332J
R587	247 2007 943	Carbon chip 1kohm 1/16W	RM73B--102J
R589-594	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K
R596	247 2009 983	Carbon chip 10kohm 1/16W	RM73B--103J
R597-600	247 9002 909	Chip network 33ohm 1/16W	MNR14=330JE0AB
R604	247 2009 983	Carbon chip 10kohm 1/16W	RM73B--103J
R613-617	247 2009 983	Carbon chip 10kohm 1/16W	RM73B--103J
R618	247 2007 943	Carbon chip 1kohm 1/16W	RM73B--102J
R619,620	247 2009 983	Carbon chip 10kohm 1/16W	RM73B--103J
R621-624	247 9002 912	Chip network 6.8kohm 1/16W	MNR14=682JEOAB
R637	247 2007 943	Carbon chip 1kohm 1/16W	RM73B--102J
R638	247 2009 983	Carbon chip 10kohm 1/16W	RM73B--103J
R640	247 2009 983	Carbon chip 10kohm 1/16W	RM73B--103J
R642,643	247 9002 912	Chip network 6.8kohm 1/16W	MNR14=682JEOAB
R648	247 2011 900	Carbon chip 33kohm 1/16W	RM73B--333J
R649	247 2005 961	Carbon chip 180ohm 1/16W	RM73B--181J
R650	247 2010 969	Carbon chip 22kohm 1/16W	RM73B--223J
R651-653	247 2009 983	Carbon chip 10kohm 1/16W	RM73B--103J
R656-664	247 2009 983	Carbon chip 10kohm 1/16W	RM73B--103J
R668	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K
R669	247 2009 912	Carbon chip 5.1kohm 1/16W	RM73B--512J
R670	247 2009 983	Carbon chip 10kohm 1/16W	RM73B--103J
R671-674	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K
R675	247 2009 983	Carbon chip 10kohm 1/16W	RM73B--103J
R679	247 2007 943	Carbon chip 1kohm 1/16W	RM73B--102J
R680	247 2009 983	Carbon chip 10kohm 1/16W	RM73B--103J
R681-685	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K
R686	247 2009 983	Carbon chip 10kohm 1/16W	RM73B--103J
R701-703	247 2004 920	Carbon chip 47ohm 1/16W	RM73B--470J
R704	247 2007 927	Carbon chip 820ohm 1/16W	RM73B--821J
R706	247 2006 986	Carbon chip 560ohm 1/16W	RM73B--561J
R707,708	247 2007 943	Carbon chip 1kohm 1/16W	RM73B--102J
R709	247 2006 986	Carbon chip 560ohm 1/16W	RM73B--561J

Ref. No.	Part No.	Part Name	Remarks
R711	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K
R713	247 2011 942	Carbon chip 47kohm 1/16W	RM73B--473J
R715	247 2008 900	Carbon chip 1.8kohm 1/16W	RM73B--182J
R716	247 2008 968	Carbon chip 3.3kohm 1/16W	RM73B--332J
R717	247 2004 920	Carbon chip 47ohm 1/16W	RM73B--470J
R718	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K
R720	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K
R724	247 2005 987	Carbon chip 220ohm 1/16W	RM73B--221J
R725	247 2003 989	Carbon chip 33ohm 1/16W	RM73B--330J
R726	247 2007 943	Carbon chip 1kohm 1/16W	RM73B--102J
R727	247 2005 987	Carbon chip 220ohm 1/16W	RM73B--221J
R728	247 2003 989	Carbon chip 33ohm 1/16W	RM73B--330J
R729	247 2007 943	Carbon chip 1kohm 1/16W	RM73B--102J
R730	247 2005 987	Carbon chip 220ohm 1/16W	RM73B--221J
R731	247 2003 989	Carbon chip 33ohm 1/16W	RM73B--330J
R732	247 2007 943	Carbon chip 1kohm 1/16W	RM73B--102J
R733	247 2005 987	Carbon chip 220ohm 1/16W	RM73B--221J
R736	247 2005 987	Carbon chip 220ohm 1/16W	RM73B--221J
R737	247 2003 989	Carbon chip 33ohm 1/16W	RM73B--330J
R738	247 2007 943	Carbon chip 1kohm 1/16W	RM73B--102J
R739	247 2005 987	Carbon chip 220ohm 1/16W	RM73B--221J
R740	247 2003 989	Carbon chip 33ohm 1/16W	RM73B--330J
R741	247 2007 943	Carbon chip 1kohm 1/16W	RM73B--102J
R840	244 2050 933	Metal oxide 180ohm 1W (NB)	RS14B3A181JNBS (S)
R937	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K
VR701,702	211 6138 903	Semi fixed resistor 1kohm	PB102MT(RH03ADC)
CAPACITORS GROUP			
C101,102	254 4464 906	Electrolytic 100uF/6.3V	CE67C0J101M
C103,104	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C105	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C106	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102K
C107	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C108	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C109-111	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C112	257 0504 982	Ceramic chip 47pF/50V	CC73CH1H470J
C113	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C114	254 4464 906	Electrolytic 100uF/6.3V	CE67C0J101M
C115-122	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C123	254 4464 906	Electrolytic 100uF/6.3V	CE67C0J101M
C124-128	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C129	254 4464 906	Electrolytic 100uF/6.3V	CE67C0J101M
C130-135	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C136	254 4464 906	Electrolytic 100uF/6.3V	CE67C0J101M
C137	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102K
C138	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C139	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C140	254 4464 906	Electrolytic 100uF/6.3V	CE67C0J101M
C141	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C142	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102K

Ref. No.	Part No.	Part Name	Remarks
C143-145	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C146	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102K
C147-149	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C150	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102K
C151-153	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C154	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102K
C155,156	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C157	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C158	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C159	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102K
C172	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C175,176	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C177	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102K
C178	254 4465 918	Electrolytic 47uF/16V	CE67C1C470M
C179,180	257 0502 997	Ceramic chip 7pF/50V	CC73CH1H7R0D
C181	254 4464 906	Electrolytic 100uF/6.3V	CE67C0J101M
C182,183	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C184	254 4464 906	Electrolytic 100uF/6.3V	CE67C0J101M
C185,186	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C190	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C191	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102K
C193	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C194	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102K
C195	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C196	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102K
C197	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C198	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102K
C199	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C200	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102K
C201	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C202	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102K
C203	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C204	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102K
C207	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C208	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102K
C209,210	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C211	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C212	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102K
C213	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C214	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C215	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102K
C216	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C217	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C218	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102K
C219	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C220	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C221	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102K
C222	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C223	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C224	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102K
C230	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z

Ref. No.	Part No.	Part Name	Remarks
C231	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102K
C232,233	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C457,458	254 3053 910	Electrolytic 22uF/16V	CE04D1C220MBP
C501	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C503	254 4465 905	Electrolytic 22uF/16V	CE67C1C220M
C504-506	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C507,508	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102K
C509	257 0503 925	Ceramic chip 10pF/50V	CC73CH1H100D
C510	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C511	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C512	257 2010 937	Tantalum chip 22uF/10V	CS77B1A220M
C513,514	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C515-517	257 0507 976	Ceramic chip 330pF/50V	CC73CH1H331J
C519	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C522	257 0503 925	Ceramic chip 10pF/50V	CC73CH1H100D
C523	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C524	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C526	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C527	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102K
C528,529	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C530,531	257 0510 934	Ceramic chip 4700pF/50V	CK73B1H472K
C532	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C533	254 4465 905	Electrolytic 22uF/16V	CE67C1C220M
C534	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C535	254 4465 905	Electrolytic 22uF/16V	CE67C1C220M
C536,537	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C538	254 4465 905	Electrolytic 22uF/16V	CE67C1C220M
C539,540	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C544,545	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C546	254 4464 906	Electrolytic 100uF/6.3V	CE67C0J101M
C547	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C548	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102K
C549	257 4010 906	Electrolytic 100uF/16V	CE67C1C101M
C550	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C552	257 0516 909	Ceramic chip 0.022uF/25V	CK73B1E223K
C553	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C554	257 0506 977	Ceramic chip 120pF/50V	CC73CH1H121J
C555,556	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C557	257 0506 977	Ceramic chip 120pF/50V	CC73CH1H121J
C560	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C562	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C563	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102K
C564	257 0501 927	Ceramic chip 0.015uF/50V	CK73B1H153K
C565-569	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C570	254 4464 906	Electrolytic 100uF/6.3V	CE67C0J101M
C571-573	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C574	254 4465 905	Electrolytic 22uF/16V	CE67C1C220M
C575-577	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C578	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C579	257 0510 918	Ceramic chip 3300pF/50V	CK73B1H332K

Ref. No.	Part No.	Part Name	Remarks
C580	257 0501 927	Ceramic chip 0.015uF/50V	CK73B1H153K
C582-589	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C590,591	257 0507 976	Ceramic chip 330pF/50V	CC73CH1H331J
C592	254 4464 906	Electrolytic 100uF/6.3V	CE67C0J101M
C593	257 0510 950	Ceramic chip 6800pF/50V	CK73B1H682K
C594	257 0509 945	Ceramic chip 1200pF/50V	CK73B1H122K
C595	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C596	257 0506 951	Ceramic chip 100pF/50V	CC73CH1H101J
C597	257 0509 990	Ceramic chip 2200pF/50V	CK73B1H222K
C598	257 0509 945	Ceramic chip 1200pF/50V	CK73B1H122K
C599-601	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C602	254 4464 906	Electrolytic 100uF/6.3V	CE67C0J101M
C603-606	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C609-618	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C619	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C620-623	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C626-628	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C629	254 4465 905	Electrolytic 22uF/16V	CE67C1C220M
C630-633	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C634	257 4010 906	Electrolytic 100uF/16V	CE67C1C101M
C635,636	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C637	254 4464 906	Electrolytic 100uF/6.3V	CE67C0J101M
C639	254 4464 906	Electrolytic 100uF/6.3V	CE67C0J101M
C640	257 2010 937	Tantalum chip 22uF/10V	CS77B1A220M
C641	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C650	257 0506 951	Ceramic chip 100pF/50V	CC73CH1H101J
C660	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C701-710	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C711	254 4464 906	Electrolytic 100uF/6.3V	CE67C0J101M
C712	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C713	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C714-716	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C718-720	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C722,723	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C724	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102K
C725	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C800	257 0504 908	Ceramic chip 22pF/50V	CC73CH1H220J

Ref. No.	Part No.	Part Name	Remarks	Q'ty
OTHER PARTS GROUP				
CX031	205 0863 936	3P PH connector base (L)		1
CX051	205 0863 952	5P PH connector base (L)		1
CX061	205 0863 965	6P PH connector base (L)		1
CX091	205 0863 907	9P PH connector base (L)		1
CX141	205 1172 943	14P PH connector base (L)		1
CX151	205 1149 905	15P FFC connector base		1
CX171	205 1174 909	17P FFC connector base		1
CX191	205 1174 912	19P FFC connector base		1
CX241	205 1152 905	24P FFC connector base		1
FB101-110	235 0130 903	EMI filter (11A121)		10
FB501	235 0136 907	Beads inductor	FBMJ1608HS280N	1
FB502-504	235 0130 903	EMI filter (11A121)		3
FB505,506	235 0138 905	Beads inductor	FBMH3216MH501N	2
FB507-509	235 0136 907	Beads inductor	FBMJ1608HS280N	3
FB701-703	235 0130 903	EMI filter (11A121)		3
FB705-724	235 0130 903	EMI filter (11A121)		20
L701	235 0125 905	Inductor 22uH		1
L703	235 0125 905	Inductor 22uH		1
X101	399 0619 906	Crystal 27MHz		1
X501	399 0697 902	Ceramic resonator 22.57MHz		1
X502	399 0699 900	Ceramic resonator 50MHz		1
X503	399 0698 901	Ceramic resonator 25MHz		1

1U-3358/3358A MAIN P.W.B. UNIT ASS'Y

Note: The symbols in the column "Remarks" indicate the following destinations.
E3: U.S.A./Canada model
E2: Europe model

Ref. No.	Part No.	Part Name	Remarks
SEMICONDUCTORS GROUP			
IC101	262 2956 006	IC M30624FGAGP	
IC102	262 1636 903	IC TC74HC32AF	
IC103	262 2960 908	IC S29590ADFJA	
IC104	263 0454 901	IC M51957BFP	
IC106	262 2547 907	IC LC72720NM	for E2
IC501	262 2488 008	IC TC9164AN	
IC503	263 0615 902	IC BA15218F	
IC504	263 0615 902	IC BA15218F	for E2
IC606-609	263 0615 902	IC BA15218F	
IC701	265 0109 003	IC STK402-050	
IC702	265 0110 005	IC STK402-250	
IC902,903	263 1092 003	IC BA05T	
IC904,905	263 1093 002	IC BA05ST	
IC907	263 1127 004	IC BA12ST	
IC908	263 0801 004	IC NJM7812FA (S)	
IC909	263 0641 002	IC NJM7912FA	
TR102-104	269 0083 901	Transistor DTA114EK	
TR105,106	269 0066 902	Transistor DTC323TK	
TR107	269 0082 902	Transistor DTC114EK	
TR108	273 0384 900	Transistor 2SC2412K (S)	for E2
TR501,502	273 0459 903	Transistor KTC2874B	
TR503,504	269 0046 906	Transistor DTA114ES	
TR505-508	273 0459 903	Transistor KTC2874B	for E2
TR509	269 0046 906	Transistor DTA114ES	for E2
TR605,606	275 0100 902	FET 2SK771	
TR607	269 0082 902	Transistor DTC114EK	
TR608	269 0083 901	Transistor DTA114EK	
TR702,703	273 0460 905	Transistor KTC2875B	
TR704,705	274 0188 905	Transistor 2SD1858 (Q/R)	
TR707	273 0460 905	Transistor KTC2875B	
TR709,710	273 0460 905	Transistor KTC2875B	
TR711-713	274 0188 905	Transistor 2SD1858 (Q/R)	
TR715	273 0303 910	Transistor 2SC1740S (S)	
TR717	273 0303 910	Transistor 2SC1740S (S)	
TR719	273 0303 910	Transistor 2SC1740S (S)	
TR721	273 0303 910	Transistor 2SC1740S (S)	
TR722	269 0083 901	Transistor DTA114EK	
TR723	269 0054 901	Transistor DTC144EK	
TR724	271 0303 008	Transistor KTA1659A	
TR801	271 0238 908	Transistor 2SA1037K (S/R)	
TR802,803	273 0384 900	Transistor 2SC2412K (S)	
TR804	271 0238 908	Transistor 2SA1037K (S/R)	
TR805,806	273 0384 900	Transistor 2SC2412K (S)	
TR807	271 0238 908	Transistor 2SA1037K (S/R)	
TR808	273 0384 900	Transistor 2SC2412K (S)	
TR901	272 0025 907	Transistor 2SB562 (C)	
TR905	269 0054 901	Transistor DTC144EK	
D101-103	276 0432 903	Diode 1SS270A	
D501,502	276 0432 903	Diode 1SS270A	
D603,604	276 0432 903	Diode 1SS270A	
D701-716	276 0432 903	Diode 1SS270A	
D801,802	276 0432 903	Diode 1SS270A	
D901	276 0741 005	Diode D3SBA60	
D902	276 0742 004	Diode D5SBA20	
D903,904	276 0704 903	Diode 1SR35-400A	
D905,906	276 0432 903	Diode 1SS270A	
D907	276 0741 005	Diode D3SBA60	
D908-910	276 0704 903	Diode 1SR35-400A	
D916	276 0704 903	Diode 1SR35-400A	
D918,919	276 0704 903	Diode 1SR35-400A	
D920,921	276 0432 903	Diode 1SS270A	
ZD501	276 0643 996	Zener diode MTZJ5.6A	
ZD701	276 0644 924	Zener diode MTZJ8.2A	
ZD801	276 0643 983	Zener diode MTZJ5.1A	
ZD901	276 0643 996	Zener diode MTZJ5.6A	
ZD902	276 0645 981	Zener diode MTZJ39A	
RESISTORS GROUP			
R101-104	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K
R105	247 2011 942	Carbon chip 47kohm 1/16W	RM73B--473J
R106-108	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K
R109,110	247 2005 903	Carbon chip 100ohm 1/16W	RM73B--101J
R111-121	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K
R122	247 2007 943	Carbon chip 1kohm 1/16W	RM73B--102J
R123-136	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K
R139-153	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K
R154	247 2012 925	Carbon chip 100kohm 1/16W	RM73B--104J
R155	247 2011 942	Carbon chip 47kohm 1/16W	RM73B--473J for E3
R156	247 2011 942	Carbon chip 47kohm 1/16W	RM73B--473J
R157	247 2012 925	Carbon chip 100kohm 1/16W	RM73B--104J
R158	247 2007 943	Carbon chip 1kohm 1/16W	RM73B--102J

Ref. No.	Part No.	Part Name	Remarks
R159	247 2010 985	Carbon chip 27kohm 1/16W	RM73B--273J for E2
R159	247 2011 942	Carbon chip 47kohm 1/16W	RM73B--473J for E3
R160	247 2011 942	Carbon chip 47kohm 1/16W	RM73B--473J for E2
R161	247 2007 943	Carbon chip 1kohm 1/16W	RM73B--102J
R162	247 2009 909	Carbon chip 4.7kohm 1/16W	RM73B--472J
R163	247 2012 925	Carbon chip 100kohm 1/16W	RM73B--104J
R164	247 2011 942	Carbon chip 47kohm 1/16W	RM73B--473J
R165	247 2007 943	Carbon chip 1kohm 1/16W	RM73B--102J
R166	247 2010 998	Carbon chip 30kohm 1/16W	RM73B--303J
R167	247 2010 901	Carbon chip 12kohm 1/16W	RM73B--123J
R168	247 2006 902	Carbon chip 330ohm 1/16W	RM73B--331J
R169	247 2005 987	Carbon chip 220ohm 1/16W	RM73B--221J
R170	247 2008 926	Carbon chip 2.2kohm 1/16W	RM73B--222J
R172-175	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K
R176	247 2009 909	Carbon chip 4.7kohm 1/16W	RM73B--472J
R177,178	247 2009 983	Carbon chip 10kohm 1/16W	RM73B--103J
R179	247 2009 909	Carbon chip 4.7kohm 1/16W	RM73B--472J
R180	247 2008 913	Carbon chip 2kohm 1/16W	RM73B--202J
R181	247 2007 943	Carbon chip 1kohm 1/16W	RM73B--102J for E2
R182	247 2008 968	Carbon chip 3.3kohm 1/16W	RM73B--332J for E2
R183	247 2014 923	Carbon chip 680kohm 1/16W	RM73B--684J for E2
R184,185	247 2011 942	Carbon chip 47kohm 1/16W	RM73B--473J
R186	247 2009 983	Carbon chip 10kohm 1/16W	RM73B--103J
R187,188	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K
R190	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K
R197	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K
R501-512	247 2006 960	Carbon chip 470ohm 1/16W	RM73B--471J
R513-524	247 2015 964	Carbon chip 2.7Mohm 1/16W	RM73B--275K
R525	247 2005 903	Carbon chip 100ohm 1/16W	RM73B--101J
R526,527	247 2005 987	Carbon chip 220ohm 1/16W	RM73B--221J
R529,530	247 2012 925	Carbon chip 100kohm 1/16W	RM73B--104J
R531,532	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K
R537,538	247 2012 925	Carbon chip 100kohm 1/16W	RM73B--104J for E3
R537,538	247 2012 996	Carbon chip 200kohm 1/16W	RM73B--204J for E2
R541,542	247 2005 903	Carbon chip 100ohm 1/16W	RM73B--101J
R549,550	247 2006 960	Carbon chip 470ohm 1/16W	RM73B--471J for E2
R551,552	247 2012 996	Carbon chip 200kohm 1/16W	RM73B--204J for E2
R553,554	247 2005 903	Carbon chip 100ohm 1/16W	RM73B--101J for E2
R555,556	247 2006 960	Carbon chip 470ohm 1/16W	RM73B--471J for E2
R557,558	247 2012 925	Carbon chip 100kohm 1/16W	RM73B--104J for E2
R559	247 2005 987	Carbon chip 220ohm 1/16W	RM73B--221J
R560,561	247 2012 925	Carbon chip 100kohm 1/16W	RM73B--104J
R562	247 2006 960	Carbon chip 470ohm 1/16W	RM73B--471J
R563	247 2009 983	Carbon chip 10kohm 1/16W	RM73B--103J
R564	247 2007 943	Carbon chip 1kohm 1/16W	RM73B--102J
R565	247 2009 983	Carbon chip 10kohm 1/16W	RM73B--103J
R566	247 2013 982	Carbon chip 470kohm 1/16W	RM73B--474J
R567	247 2009 983	Carbon chip 10kohm 1/16W	RM73B--103J
R568-570	244 2055 996	Metal oxide 1.2kohm 1W (NB)	RS14B3A122JNBS (S)
R571-574	247 2009 983	Carbon chip 10kohm 1/16W	RM73B--103J for E2
R575,576	247 2005 987	Carbon chip 220ohm 1/16W	RM73B--221J for E2
R577	247 2007 943	Carbon chip 1kohm 1/16W	RM73B--102J
R578	247 2013 982	Carbon chip 470kohm 1/16W	RM73B--474J
R579	247 2009 983	Carbon chip 10kohm 1/16W	RM73B--103J
R580	247 2007 943	Carbon chip 1kohm 1/16W	RM73B--102J for E2
R581	247 2013 982	Carbon chip 470kohm 1/16W	RM73B--474J for E2
R582	247 2009 983	Carbon chip 10kohm 1/16W	RM73B--103J for E2
R587	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K
R589	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K
R591,592	247 2005 903	Carbon chip 100ohm 1/16W	RM73B--101J
R593,594	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K
R631	247 2012 925	Carbon chip 100kohm 1/16W	RM73B--104J
R633,634	247 2012 925	Carbon chip 100kohm 1/16W	RM73B--104J
R635,636	247 2006 902	Carbon chip 330ohm 1/16W	RM73B--331J
R637,638	247 2007 969	Carbon chip 1.2kohm 1/16W	RM73B--122J
R639	247 2009 983	Carbon chip 10kohm 1/16W	RM73B--103J
R640	247 2008 926	Carbon chip 2.2kohm 1/16W	RM73B--222J
R641,642	247 2011 942	Carbon chip 47kohm 1/16W	RM73B--473J
R643,644	247 2009 925	Carbon chip 5.6kohm 1/16W	RM73B--562J
R645,646	247 2009 941	Carbon chip 6.8kohm 1/16W	RM73B--682J
R647,648	247 2006 960	Carbon chip 470ohm 1/16W	RM73B--471J
R649,650	247 2011 942	Carbon chip 47kohm 1/16W	RM73B--473J
R651,652	247 2009 925	Carbon chip 5.6kohm 1/16W	RM73B--562J
R653,654	247 2009 941	Carbon chip 6.8kohm 1/16W	RM73B--682J
R655,656	247 2006 960	Carbon chip 470ohm 1/16W	RM73B--471J
R657,658	247 2011 942	Carbon chip 47kohm 1/16W	RM73B--473J
R659	247 2009 925	Carbon chip 5.6kohm 1/16W	RM73B--562J
R660	247 2007 943	Carbon chip 1kohm 1/16W	RM73B--102J
R661	247 2009 941	Carbon chip 6.8kohm 1/16W	RM73B--682J
R662	247 2009 954	Carbon chip 7.5kohm 1/16W	RM73B--752J
R663,664	247 2006 960	Carbon chip 470ohm 1/16W	RM73B--471J
R701	244 2051 987	Metal oxide 4.7ohm 1W (NB)	RS14B3A4R7JNBS (S)
R702	247 2010 969	Carbon chip 22kohm 1/16W	RM73B--223J

Ref. No.	Part No.	Part Name	Remarks
R703	247 2007 943	Carbon chip 1kohm 1/16W	RM73B–102J
R704	247 2012 925	Carbon chip 100kohm 1/16W	RM73B–104J
R705	247 2008 939	Carbon chip 2.4kohm 1/16W	RM73B–242J
R706	247 2011 968	Carbon chip 56kohm 1/16W	RM73B–563J
R707	247 2008 900	Carbon chip 1.8kohm 1/16W	RM73B–182J
R708	247 2009 941	Carbon chip 6.8kohm 1/16W	RM73B–682J
R709,710	241 2313 901	Carbon film 100ohm 1/4W (FR)	RD14B2E101GFRS
R711	247 2008 900	Carbon chip 1.8kohm 1/16W	RM73B–182J
R712	247 2008 939	Carbon chip 2.4kohm 1/16W	RM73B–242J
R713	247 2011 968	Carbon chip 56kohm 1/16W	RM73B–563J
R714	244 2051 987	Metal oxide 4.7ohm 1W (NB)	RS14B3A4R7JNBS (S)
R715	247 2010 969	Carbon chip 22kohm 1/16W	RM73B–223J
R716	247 2007 943	Carbon chip 1kohm 1/16W	RM73B–102J
R717	247 2012 925	Carbon chip 100kohm 1/16W	RM73B–104J
R719	247 2011 968	Carbon chip 56kohm 1/16W	RM73B–563J
R720	247 2007 943	Carbon chip 1kohm 1/16W	RM73B–102J
R721	241 2315 912	Carbon film 10ohm 1/4W (FR)	RD14B2E100GFRS
R724	247 2007 914	Carbon chip 750ohm 1/16W	RM73B–751J
R725	244 2043 982	Metal oxide 0.22ohm 1W (NB)	RS14B3AR22JNBS (S)
R726,727	244 2051 987	Metal oxide 4.7ohm 1W (NB)	RS14B3A4R7JNBS (S)
R728	247 2007 943	Carbon chip 1kohm 1/16W	RM73B–102J
R729	247 2007 914	Carbon chip 750ohm 1/16W	RM73B–751J
R730	244 2043 982	Metal oxide 0.22ohm 1W (NB)	RS14B3AR22JNBS (S)
R732	247 2011 968	Carbon chip 56kohm 1/16W	RM73B–563J
R733	244 2051 987	Metal oxide 4.7ohm 1W (NB)	RS14B3A4R7JNBS (S)
R734	247 2010 969	Carbon chip 22kohm 1/16W	RM73B–223J
R735	247 2007 943	Carbon chip 1kohm 1/16W	RM73B–102J
R736	247 2012 925	Carbon chip 100kohm 1/16W	RM73B–104J
R737	247 2008 939	Carbon chip 2.4kohm 1/16W	RM73B–242J
R738	247 2011 968	Carbon chip 56kohm 1/16W	RM73B–563J
R739	247 2008 900	Carbon chip 1.8kohm 1/16W	RM73B–182J
R740	247 2009 941	Carbon chip 6.8kohm 1/16W	RM73B–682J
R741,742	241 2313 901	Carbon film 100ohm 1/4W (FR)	RD14B2E101GFRS
R743	247 2008 900	Carbon chip 1.8kohm 1/16W	RM73B–182J
R744	247 2011 968	Carbon chip 56kohm 1/16W	RM73B–563J
R745	247 2008 939	Carbon chip 2.4kohm 1/16W	RM73B–242J
R746	247 2011 968	Carbon chip 56kohm 1/16W	RM73B–563J
R747	247 2008 939	Carbon chip 2.4kohm 1/16W	RM73B–242J
R748	247 2008 900	Carbon chip 1.8kohm 1/16W	RM73B–182J
R749-751	247 2011 900	Carbon chip 33kohm 1/16W	RM73B–333J
R752,753	247 2010 969	Carbon chip 22kohm 1/16W	RM73B–223J
R754,755	247 2007 943	Carbon chip 1kohm 1/16W	RM73B–102J
R756,757	247 2012 925	Carbon chip 100kohm 1/16W	RM73B–104J
R759	247 2011 968	Carbon chip 56kohm 1/16W	RM73B–563J
R760	247 2007 943	Carbon chip 1kohm 1/16W	RM73B–102J
R761	247 2007 914	Carbon chip 750ohm 1/16W	RM73B–751J
R762	244 2043 982	Metal oxide 0.22ohm 1W (NB)	RS14B3AR22JNBS (S)
R763	247 2007 943	Carbon chip 1kohm 1/16W	RM73B–102J
R764,765	247 2011 900	Carbon chip 33kohm 1/16W	RM73B–333J
R766	247 2007 914	Carbon chip 750ohm 1/16W	RM73B–751J
R767	244 2043 982	Metal oxide 0.22ohm 1W (NB)	RS14B3AR22JNBS (S)
R769	247 2011 968	Carbon chip 56kohm 1/16W	RM73B–563J

Ref. No.	Part No.	Part Name	Remarks
R770	247 2007 943	Carbon chip 1kohm 1/16W	RM73B–102J
R771	247 2007 914	Carbon chip 750ohm 1/16W	RM73B–751J
R772	244 2043 982	Metal oxide 0.22ohm 1W (NB)	RS14B3AR22JNBS (S)
R774	247 2011 968	Carbon chip 56kohm 1/16W	RM73B–563J
R775	247 2009 909	Carbon chip 4.7kohm 1/16W	RM73B–472J
R776	247 2009 983	Carbon chip 10kohm 1/16W	RM73B–103J
R777	247 2009 909	Carbon chip 4.7kohm 1/16W	RM73B–472J
R778	247 2009 983	Carbon chip 10kohm 1/16W	RM73B–103J
R779	247 2009 909	Carbon chip 4.7kohm 1/16W	RM73B–472J
R780	247 2009 983	Carbon chip 10kohm 1/16W	RM73B–103J
R781	247 2009 909	Carbon chip 4.7kohm 1/16W	RM73B–472J
R782	247 2009 983	Carbon chip 10kohm 1/16W	RM73B–103J
R783-787	247 2010 969	Carbon chip 22kohm 1/16W	RM73B–223J
R788-792	244 2043 937	Metal oxide 10ohm 1W (NB)	RS14B3A100JNBS (S)
R793,794	244 2055 941	Metal oxide 330ohm 1W (NB)	RS14B3A331JNBS (S)
R801	247 2011 942	Carbon chip 47kohm 1/16W	RM73B–473J
R802	247 2012 925	Carbon chip 100kohm 1/16W	RM73B–104J
R803	247 2010 914	Carbon chip 13kohm 1/16W	RM73B–133J
R804	247 2007 943	Carbon chip 1kohm 1/16W	RM73B–102J
R805	247 2012 925	Carbon chip 100kohm 1/16W	RM73B–104J
R807	247 2010 914	Carbon chip 13kohm 1/16W	RM73B–133J
R808	247 2010 927	Carbon chip 15kohm 1/16W	RM73B–153J
R809,810	247 2011 942	Carbon chip 47kohm 1/16W	RM73B–473J
R901,902	247 2007 943	Carbon chip 1kohm 1/16W	RM73B–102J
R905	247 2007 943	Carbon chip 1kohm 1/16W	RM73B–102J
R906,907	241 2313 901	Carbon film 100ohm 1/4W (FR)	RD14B2E101GFRS
R908	247 2008 968	Carbon chip 3.3kohm 1/16W	RM73B–332J
R909	247 2011 942	Carbon chip 47kohm 1/16W	RM73B–473J
R924	247 2009 983	Carbon chip 10kohm 1/16W	RM73B–103J
R926	247 2009 912	Carbon chip 5.1kohm 1/16W	RM73B–512J
R927	247 2009 909	Carbon chip 4.7kohm 1/16W	RM73B–472J
R928-930	244 2064 961	Metal oxide 200ohm 1W (NB)	S14B3A201JNBST(S)
CAPACITORS GROUP			
C101	254 4533 921	Electrolytic 100uF/6.3V	CE04W0J101M (SMG/RE3)
C102,103	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C104,105	254 4533 921	Electrolytic 100uF/6.3V	CE04W0J101M (SMG/RE3)
C106,107	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C108	254 4524 956	Electrolytic 2.2uF/35V	CE04W1H2R2M (SMG/RE3)
C109,110	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C112	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z for E2
C113	254 4538 900	Electrolytic 10uF/16V	CE04W1C100M (SMG/RE3) for E2
C114	254 4522 903	Electrolytic 4.7uF/35V	CE04W1V4R7M (SMG/RE3) for E2
C115,116	257 0504 908	Ceramic chip 22pF/50V	CC73CH1H220J for E2
C117	257 0508 933	Ceramic chip 560pF/50V	CC73CH1H561J for E2

Ref. No.	Part No.	Part Name	Remarks
C118	254 4536 915	Electrolytic 47uF/10V	CE04W1A470M (SMG/RE3) for E2
C119	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z for E2
C120	254 4538 900	Electrolytic 10uF/16V	CE04W1C100M (SMG/RE3)
C121	257 0507 976	Ceramic chip 330pF/50V	CC73CH1H331J for E2
C122	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z for E2
C123	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102K for E2
C125	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C126	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C127	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102K
C128	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C129	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C130	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102K
C131	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C133	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102K
C134	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C503-508	257 0507 934	Ceramic chip 220pF/50V	CC73CH1H221J for E2
C511,512	257 0507 934	Ceramic chip 220pF/50V	CC73CH1H221J for E2
C513	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C515	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C516	254 4524 972	Electrolytic 4.7uF/50V	CE04W1H4R7M (SMG/RE3)
C517	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C518	254 4524 972	Electrolytic 4.7uF/50V	CE04W1H4R7M (SMG/RE3)
C519,520	254 4522 916	Electrolytic 10uF/35V	CE04W1V100M (SMG/RE3)
C527,528	254 4538 900	Electrolytic 10uF/16V	CE04W1C100M (SMG/RE3)
C531,532	254 4524 943	Electrolytic 1uF/50V	CE04W1H010M (SMG/RE3)
C535,536	254 4538 900	Electrolytic 10uF/16V	CE04W1C100M (SMG/RE3) for E2
C539,540	254 4524 943	Electrolytic 1uF/50V	CE04W1H010M (SMG/RE3) for E2
C541,542	254 4522 916	Electrolytic 10uF/35V	CE04W1V100M (SMG/RE3) for E2
C543	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C545	257 0506 951	Ceramic chip 100pF/50V	CC73CH1H101J
C546	254 4538 913	Electrolytic 22uF/16V	CE04W1C220M (SMG/RE3)
C547	254 4524 901	Electrolytic 0.1uF/50V	CE04W1H0R1M (SMG/RE3)
C548	254 4522 958	Electrolytic 100uF/35V	CE04W1V101M (SMG/RE3)
C549	254 4522 916	Electrolytic 10uF/35V	CE04W1V100M (SMG/RE3)
C550	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102K
C553,554	254 4522 916	Electrolytic 10uF/35V	CE04W1V100M (SMG/RE3) for E2
C555	254 4524 901	Electrolytic 0.1uF/50V	CE04W1H0R1M (SMG/RE3)
C556	254 4524 901	Electrolytic 0.1uF/50V	CE04W1H0R1M (SMG/RE3)
		for E2	
C557,558	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102K

Ref. No.	Part No.	Part Name	Remarks
C559	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C566,567	257 0501 901	Ceramic chip 0.01uF/50V	CK73B1H103K
C568	257 0501 901	Ceramic chip 0.01uF/50V	CK73B1H103K for E2
C569,570	257 0506 951	Ceramic chip 100pF/50V	CC73CH1H101J
C640	254 4524 943	Electrolytic 1uF/50V	CE04W1H010M (SMG/RE3)
C641,642	254 4524 914	Electrolytic 0.22uF/50V	CE04W1HR22M (SMG/RE3)
C643,644	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C645,646	254 4524 930	Electrolytic 0.47uF/50V	CE04W1HR47M (SMG/RE3)
C649,650	254 4522 916	Electrolytic 10uF/35V	CE04W1V100M (SMG/RE3)
C651,652	257 0506 935	Ceramic chip 82pF/50V	CC73CH1H820J
C653,654	257 0511 917	Ceramic chip 0.022uF/50V	CK73F1H223Z
C655,656	254 4522 916	Electrolytic 10uF/35V	CE04W1V100M (SMG/RE3)
C659,660	254 4522 916	Electrolytic 10uF/35V	CE04W1V100M (SMG/RE3)
C661,662	257 0506 935	Ceramic chip 82pF/50V	CC73CH1H820J
C663,664	257 0511 917	Ceramic chip 0.022uF/50V	CK73F1H223Z
C665,666	254 4522 916	Electrolytic 10uF/35V	CE04W1V100M (SMG/RE3)
C669,670	254 4522 916	Electrolytic 10uF/35V	CE04W1V100M (SMG/RE3)
C671,672	257 0506 935	Ceramic chip 82pF/50V	CC73CH1H820J
C673,674	257 0511 917	Ceramic chip 0.022uF/50V	CK73F1H223Z
C675,676	254 4522 916	Electrolytic 10uF/35V	CE04W1V100M (SMG/RE3)
C677,678	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C680	257 0506 951	Ceramic chip 100pF/50V	CC73CH1H101J
C701	254 3055 905	Electrolytic 4.7uF/35V	CE04D1V4R7MBP
C702	257 0508 917	Ceramic chip 470pF/50V	CC73CH1H471J
C703	257 0507 934	Ceramic chip 220pF/50V	CC73CH1H221J
C704	254 4195 945	Electrolytic 33uF/35V	CE04W1V330M (SRA)
C705,706	254 4522 961	Electrolytic 220uF/35V	CE04W1V221M (SMG/RE3)
C707	254 4195 945	Electrolytic 33uF/35V	CE04W1V330M (SRA)
C708	257 0507 934	Ceramic chip 220pF/50V	CC73CH1H221J
C709	254 3055 905	Electrolytic 4.7uF/35V	CE04D1V4R7MBP
C710	257 0508 917	Ceramic chip 470pF/50V	CC73CH1H471J
C711	256 1058 971	Metallized 0.1uF/50V	CF93A1H104J (JL)
C712	257 0503 925	Ceramic chip 10pF/50V	CC73CH1H100D
C713,714	257 0511 917	Ceramic chip 0.022uF/50V	CK73F1H223Z
C715	257 0503 925	Ceramic chip 10pF/50V	CC73CH1H100D
C716	254 3055 905	Electrolytic 4.7uF/35V	CE04D1V4R7MBP
C717	257 0508 917	Ceramic chip 470pF/50V	CC73CH1H471J
C718	257 0507 934	Ceramic chip 220pF/50V	CC73CH1H221J
C719	254 4522 932	Electrolytic 33uF/35V	CE04W1V330M (SMG/RE3)
C720,721	254 4522 961	Electrolytic 220uF/35V	CE04W1V221M (SMG/RE3)
C722	254 4522 932	Electrolytic 33uF/35V	CE04W1V330M (SMG/RE3)
C723	257 0507 934	Ceramic chip 220pF/50V	CC73CH1H221J
C724	254 3055 905	Electrolytic 4.7uF/35V	CE04D1V4R7MBP
C725,726	257 0508 917	Ceramic chip 470pF/50V	CC73CH1H471J
C727	254 3055 905	Electrolytic 4.7uF/35V	CE04D1V4R7MBP
C728	257 0507 934	Ceramic chip 220pF/50V	CC73CH1H221J
C729	254 4522 932	Electrolytic 33uF/35V	CE04W1V330M (SMG/RE3)
C730,731	256 1058 971	Metallized 0.1uF/50V	CF93A1H104J (JL)
C732	257 0503 925	Ceramic chip 10pF/50V	CC73CH1H100D

Ref. No.	Part No.	Part Name	Remarks
C733,734	257 0511 917	Ceramic chip 0.022uF/50V	CK73F1H223Z
C735	257 0503 925	Ceramic chip 10pF/50V	CC73CH1H100D
C736	257 0511 917	Ceramic chip 0.022uF/50V	CK73F1H223Z
C737	257 0503 925	Ceramic chip 10pF/50V	CC73CH1H100D
C738	254 4538 942	Electrolytic 100uF/16V	CE04W1C101M (SMG/RE3)
C739	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C740-749	255 1265 936	Mylar film 0.01uF/50V	CQ93M1H103J (B)
C750,751	254 4522 958	Electrolytic 100uF/35V	CE04W1V101M (SMG/RE3)
C752,753	254 3056 917	Electrolytic 1uF/50V	CE04D1H010MBP
C754,755	254 4522 958	Electrolytic 100uF/35V	CE04W1V101M (SMG/RE3)
C756,757	256 1058 971	Metallized 0.1uF/50V	CF93A1H104J (JL)
C758	254 4522 932	Electrolytic 33uF/35V	CE04W1V330M (SMG/RE3)
C801	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C802	254 4533 947	Electrolytic 330uF/6.3V	CE04W0J331M (SMG/RE3)
C803	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C804	254 4533 947	Electrolytic 330uF/6.3V	CE04W0J331M (SMG/RE3)
C807	254 4524 972	Electrolytic 4.7uF/50V	CE04W1H4R7M (SMG/RE3)
C808	254 4524 985	Electrolytic 10uF/50V	CE04W1H100M (SMG/RE3)
C901	254 4536 928	Electrolytic 100uF/10V	CE04W1A101M (SMG/RE3)
C902	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C903,904	254 4536 928	Electrolytic 100uF/10V	CE04W1A101M (SMG/RE3)
C905,906	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C907	254 4536 928	Electrolytic 100uF/10V	CE04W1A101M (SMG/RE3)
C908,909	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C911	254 6222 706	Electrolytic 6800uF/35V	CE04W1V682M (DL)
C912	254 4442 711	Electrolytic 10000uF/16V	CE04W1C103M (SMG)
C915-917	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C918	254 4536 928	Electrolytic 100uF/10V	CE04W1A101M (SMG/RE3)
C919,920	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C921	257 0511 920	Ceramic chip 0.047uF/50V	CK73F1H473Z
C922	254 4524 985	Electrolytic 10uF/50V	CE04W1H100M (SMG/RE3)
C923	254 4525 926	Electrolytic 100uF/50V	CE04W1H101M (SMG/RE3)
C924	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C925,926	257 0511 920	Ceramic chip 0.047uF/50V	CK73F1H473Z
C927	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C928	254 4541 942	Electrolytic 100uF/25V	CE04W1E101M (SMG/RE3)
C929	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C930,931	254 4524 943	Electrolytic 1uF/50V	CE04W1H010M (SMG/RE3)
C932-935	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C936,937	254 4523 724	Electrolytic 4700uF/35V	CE04W1V472M (SMG/RE3)
C938,939	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C940-942	254 4538 900	Electrolytic 10uF/16V	CE04W1C100M (SMG/RE3)
C943,944	254 4522 916	Electrolytic 10uF/35V	CE04W1V100M (SMG/RE3)
C945-947	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C952	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C959	257 0511 920	Ceramic chip 0.047uF/50V	CK73F1H473Z
C960,961	254 4403 721	Electrolytic 2200uF/25V	CE04W1E222M (SMG)
C962	254 4442 711	Electrolytic 10000uF/16V	CE04W1C103M (SMG)

Ref. No.	Part No.	Part Name	Remarks	Q'ty
OTHER PARTS GROUP				
CW031	203 5270 007	3P PH-SAN connector cord		1
CW034	203 5269 005	3P PH-SAN connector cord		1
CW046	203 6568 006	4P EH-SCN connector cord		1
CW052	203 8528 002	5P SAN-SAN connector cord		1
CW062	204 0554 006	6P PH-SAN connector cord		1
CW077	204 2898 003	7P SAN-SAN connector cord		1
CW112	204 6698 005	11P EH-SCN connector cord		1
CX031	205 0321 038	3P connector base (RED)		1
CX033	205 0833 021	3P VH conector base (BU)		1
CX035	205 0355 033	3P KR connector base (L)		1
CX041	205 0653 049	4P VH connector base		1
CX046	205 0233 045	4P EH connector base		1
CX061,062	205 0343 061	6P connector base (KR-PH)		2
CX084	205 0233 087	8P EH connector base		1
CX101	205 0375 000	10P connector base (KR-PH)		1
CX112	205 0275 016	11P EH connector base		1
CX131	205 0810 002	13P connector base (L)		1
CX142	205 0810 015	14P connector base (L)		1
CX701	205 0406 034	3P connector base (KR-PH)		1
CX701	205 0406 050	5P connector base (KR-PH)		1
CY051	205 0343 058	5P connector base (KR-PH)		1
CY083	205 0321 083	8P connector base (RED)		1
CY091	205 0321 096	9P connector base (RED)		1
CY131	205 0809 000	13P connector base (9130)		1
CY142	205 0809 013	14P connector base (9130)		1
CY151	205 0736 076	15P FFC connector base		1
CY172	205 0736 047	17P FFC connector base		1
CY173	205 1100 038	17P FFC connector base		1
CY251	205 1214 005	25P FFC connector base		1
CY271	205 0880 016	27P FFC connector base		1
⚠F901	206 1075 069	Fuse 4A	for E2	1
⚠F901	206 1072 075	Fuse 4A	for E3	1
⚠F902-904	206 1075 001	Fuse 1A	for E2	3
⚠F902-904	206 1072 004	Fuse 1A T	for E3	3
FF901-904	202 0040 909	Fuse clip		4
FH901-904	202 0040 909	Fuse clip		4
JK501,502	204 8543 006	6P pin jack		2
JK503	204 8642 004	1P pin jack		1
JK701	205 1199 007	4P SP terminal (SGND)		1
JK702	205 1200 006	6P SP terminal (SGND)		1
L701-705	235 0104 007	Inductor 1uH		5
PT901	279 0034 054	Posistor PTH9M04BC222TS2F333		1
PT902	279 0034 012	Posistor PTH9M04BG222TS2F333		1

1U-3359/3359A DISP/VIDEO P.W.B. UNIT ASS'Y

Note: The symbols in the column "Remarks" indicate the following destinations.
E3: U.S.A./Canada model
E2: Europe model

Ref. No.	Part No.	Part Name	Remarks	Q'ty
RL701-704	214 0206 005	Relay (PCI212DM)		4
ST008,009	205 0452 017	Style pin		2
TP801	205 0343 045	4P connector base (KR-PH)		1
TP901s	205 0343 032	3P connector base (KR-PH)		1
W704	203 0703 003	1P board in wire	for E2	1
X101	399 0532 902	Ceramic resonator	CST12.5MTW-TF01	1
X102	399 0178 007	Crystal 4.332MHz	for E2	1
	513 3679 002	Fuse label (T4AL)	for E2	1
	513 3680 004	Fuse label (T1AL)	for E2	3
	415 0869 003	UL tube (L=30)	for PT901,902	2

Ref. No.	Part No.	Part Name	Remarks
SEMICONDUCTORS GROUP			
IC301	263 0857 003	IC BA7626	
IC302,303	263 0856 004	IC BA7625	
IC304	262 1205 907	IC TC74HCU04AF	
IC305	262 2806 907	IC SN74HC153NS	
IC306	269 0187 001	Optical digital output (GP1FA551TZ)	
IC307	269 0194 007	Optical digital input (GP1FA551RZ)	
IC308	262 2089 902	IC NJU4053BV	for E2
IC310	262 2829 900	IC ML6427	
IC311	262 2829 900	IC ML6427	for E2
IC312	269 0194 007	Optical digital input (GP1FA551RZ)	
IC402,403	262 2534 907	IC BA7660FS	for E2
IC701	262 2951 904	IC M66005FP	
IC702	499 0301 006	Remocon sensor RPM6938-V4	
IC910	263 1092 003	IC BA05T	
TR301-306	271 0102 924	Transistor 2SA1015 (GR)	
TR307	269 0082 902	Transistor DTC114EK	for E2
TR308	274 0163 904	Transistor 2SD601A	
TR309	269 0082 902	Transistor DTC114EK	for E2
TR401	269 0083 901	Transistor DTA114EK	for E2
TR902	273 0384 900	Transistor 2SC2412K (S)	
TR904	273 0303 910	Transistor 2SC1740S (S)	
D911-913	276 0704 903	Diode 1SR35-400A	
D914	276 0432 903	Diode 1SS270A	
D917	276 0704 903	Diode 1SR35-400A	
ZD301	254 4536 928	Electrolytic 100uF/10V	CE04W1A101M (SMG/RE3)
LD701	393 9587 002	LED SPR-54MVW	
FL701	393 8052 004	FLT (15ST36GN)	
RESISTORS GROUP			
R301-308	247 2004 975	Carbon chip 75ohm 1/16W	RM73B–750J
R309-312	247 2009 983	Carbon chip 10kohm 1/16W	RM73B–103J
R313-318	247 2004 962	Carbon chip 68ohm 1/16W	RM73B–680J
R321,322	247 2004 975	Carbon chip 75ohm 1/16W	RM73B–750J
R323-326	247 2005 974	Carbon chip 200ohm 1/16W	RM73B–201J
R327	247 2013 908	Carbon chip 220kohm 1/16W	RM73B–224J
R328	247 2009 967	Carbon chip 8.2kohm 1/16W	RM73B–822J
R330	247 2018 903	Carbon chip 0ohm 1/16W	RM73B–0R0K
R331,332	247 2004 975	Carbon chip 75ohm 1/16W	RM73B–750J
R333	247 2018 903	Carbon chip 0ohm 1/16W	RM73B–0R0K
R334	247 2009 909	Carbon chip 4.7kohm 1/16W	RM73B–472J

Ref. No.	Part No.	Part Name	Remarks
R336	247 2006 960	Carbon chip 470ohm 1/16W	RM73B--471J
R337-339	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K
R340	247 2005 903	Carbon chip 100ohm 1/16W	RM73B--101J
R341,342	247 2005 974	Carbon chip 200ohm 1/16W	RM73B--201J
R343	247 2013 908	Carbon chip 220kohm 1/16W	RM73B--224J
R344	247 2009 967	Carbon chip 8.2kohm 1/16W	RM73B--822J
R345	247 2012 925	Carbon chip 100kohm 1/16W	RM73B--104J
R346-349	247 2005 974	Carbon chip 200ohm 1/16W	RM73B--201J
R350	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K
R351	247 2011 942	Carbon chip 47kohm 1/16W	RM73B--473J
R354-359	247 2005 945	Carbon chip 150ohm 1/16W	RM73B--151J for E2
R363,364	247 2007 943	Carbon chip 1kohm 1/16W	RM73B--102J for E2
R367	247 2009 909	Carbon chip 4.7kohm 1/16W	RM73B--472J
R368	247 2008 900	Carbon chip 1.8kohm 1/16W	RM73B--182J
R370	247 2007 943	Carbon chip 1kohm 1/16W	RM73B--102J
R371-375	247 2005 903	Carbon chip 100ohm 1/16W	RM73B--101J
R376,377	247 2007 943	Carbon chip 1kohm 1/16W	RM73B--102J
R378	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K
R380,381	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K for E2
R382	247 2005 903	Carbon chip 100ohm 1/16W	RM73B--101J for E2
R383	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K for E2
R385	247 2005 945	Carbon chip 150ohm 1/16W	RM73B--151J
R386	247 2005 945	Carbon chip 150ohm 1/16W	RM73B--151J for E2
R386	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K for E3
R387	247 2005 945	Carbon chip 150ohm 1/16W	RM73B--151J
R388,389	247 2005 945	Carbon chip 150ohm 1/16W	RM73B--151J for E2
R388,389	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K for E3
R390	247 2005 945	Carbon chip 150ohm 1/16W	RM73B--151J
R391	247 2005 945	Carbon chip 150ohm 1/16W	RM73B--151J for E2
R392	247 2005 945	Carbon chip 150ohm 1/16W	RM73B--151J
R393,394	247 2005 945	Carbon chip 150ohm 1/16W	RM73B--151J for E2
R396	247 2005 945	Carbon chip 150ohm 1/16W	RM73B--151J for E2
R397	247 2009 909	Carbon chip 4.7kohm 1/16W	RM73B--472J for E2
R398	247 2005 945	Carbon chip 150ohm 1/16W	RM73B--151J for E2
R399,400	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K for E2
R407	247 2004 975	Carbon chip 75ohm 1/16W	RM73B--750J for E3

Ref. No.	Part No.	Part Name	Remarks
R408	247 2011 900	Carbon chip 33kohm 1/16W	RM73B--333J for E2
R409	247 2009 925	Carbon chip 5.6kohm 1/16W	RM73B--562J for E2
R410	247 2011 900	Carbon chip 33kohm 1/16W	RM73B--333J for E2
R411	247 2009 925	Carbon chip 5.6kohm 1/16W	RM73B--562J for E2
R412,413	247 2004 975	Carbon chip 75ohm 1/16W	RM73B--750J for E2
R414,415	247 2004 975	Carbon chip 75ohm 1/16W	RM73B--750J for E3
R416	247 2011 900	Carbon chip 33kohm 1/16W	RM73B--333J for E2
R417	247 2009 925	Carbon chip 5.6kohm 1/16W	RM73B--562J for E2
R418	247 2011 900	Carbon chip 33kohm 1/16W	RM73B--333J for E2
R419	247 2009 925	Carbon chip 5.6kohm 1/16W	RM73B--562J for E2
R420,421	247 2004 975	Carbon chip 75ohm 1/16W	RM73B--750J for E2
R449	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K for E2
R450	247 2005 945	Carbon chip 150ohm 1/16W	RM73B--151J for E3
R450	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K for E2
R451	247 2005 945	Carbon chip 150ohm 1/16W	RM73B--151J for E3
R452-454	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K for E3
R455	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K
R458	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K
R460	247 2004 975	Carbon chip 75ohm 1/16W	RM73B--750J for E2
R461-463	247 2009 983	Carbon chip 10kohm 1/16W	RM73B--103J
R465	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K for E2
R702	247 2005 945	Carbon chip 150ohm 1/16W	RM73B--151J
R703	247 2005 961	Carbon chip 180ohm 1/16W	RM73B--181J
R704	247 2006 915	Carbon chip 270ohm 1/16W	RM73B--271J
R705	247 2006 944	Carbon chip 390ohm 1/16W	RM73B--391J
R706	247 2006 973	Carbon chip 510ohm 1/16W	RM73B--511J
R707	247 2007 930	Carbon chip 910ohm 1/16W	RM73B--911J
R709	247 2005 945	Carbon chip 150ohm 1/16W	RM73B--151J
R710	247 2005 961	Carbon chip 180ohm 1/16W	RM73B--181J
R713	247 2010 985	Carbon chip 27kohm 1/16W	RM73B--273J
R714,715	247 2009 983	Carbon chip 10kohm 1/16W	RM73B--103J
R716-718	247 2005 903	Carbon chip 100ohm 1/16W	RM73B--101J
R719	247 2006 915	Carbon chip 270ohm 1/16W	RM73B--271J
R720	247 2005 903	Carbon chip 100ohm 1/16W	RM73B--101J

Ref. No.	Part No.	Part Name	Remarks
R721-723	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K
R726,727	247 2009 983	Carbon chip 10kohm 1/16W	RM73B--103J
R910,911	247 2009 983	Carbon chip 10kohm 1/16W	RM73B--103J
R912	247 2009 909	Carbon chip 4.7kohm 1/16W	RM73B--472J
R913	247 2008 900	Carbon chip 1.8kohm 1/16W	RM73B--182J
R915	244 2043 937	Metal oxide 10ohm 1W (NB)	RS14B3A100JNBS (S)
R917	247 2011 942	Carbon chip 47kohm 1/16W	RM73B--473J
R918	242 2009 001	Composition 2.2Mohm 1/2W	RC05GF2H225K (UL) for E3
R922	247 2008 913	Carbon chip 2kohm 1/16W	RM73B--202J
R923	247 2009 983	Carbon chip 10kohm 1/16W	RM73B--103J
R925	247 2007 943	Carbon chip 1kohm 1/16W	RM73B--102J
CAPACITORS GROUP			
C301	254 4522 903	Electrolytic 4.7uF/35V	CE04W1V4R7M (SMG/RE3)
C302	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C303	254 4524 972	Electrolytic 4.7uF/50V	CE04W1H4R7M (SMG/RE3)
C304	257 0511 917	Ceramic chip 0.022uF/50V	CK73F1H223Z
C305,306	254 4524 972	Electrolytic 4.7uF/50V	CE04W1H4R7M (SMG/RE3)
C307	254 4524 943	Electrolytic 1uF/50V	CE04W1H010M (SMG/RE3)
C309,310	254 4533 947	Electrolytic 330uF/6.3V	CE04W0J331M (SMG/RE3)
C311	254 4533 934	Electrolytic 220uF/6.3V	CE04W0J221M (SMG/RE3)
C312	254 4533 950	Electrolytic 470uF/6.3V	CE04W0J471M (SMG/RE3)
C313	254 4533 934	Electrolytic 220uF/6.3V	CE04W0J221M (SMG/RE3)
C314	254 4533 950	Electrolytic 470uF/6.3V	CE04W0J471M (SMG/RE3)
C315	254 4536 928	Electrolytic 100uF/10V	CE04W1A101M (SMG/RE3)
C316	254 4538 900	Electrolytic 10uF/16V	CE04W1C100M (SMG/RE3)
C317,318	254 4524 943	Electrolytic 1uF/50V	CE04W1H010M (SMG/RE3)
C319	254 4538 900	Electrolytic 10uF/16V	CE04W1C100M (SMG/RE3)
C320	257 0511 917	Ceramic chip 0.022uF/50V	CK73F1H223Z
C321	254 4536 928	Electrolytic 100uF/10V	CE04W1A101M (SMG/RE3)
C322,323	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C324,325	254 4538 939	Electrolytic 47uF/16V	CE04W1C470M (SMG/RE3)
C326,327	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C328,329	254 4536 928	Electrolytic 100uF/10V	CE04W1A101M (SMG/RE3)
C330,331	254 4538 942	Electrolytic 100uF/16V	CE04W1C101M (SMG/RE3)
C332,333	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C334-338	254 4522 903	Electrolytic 4.7uF/35V	CE04W1V4R7M (SMG/RE3)
C339	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C340	254 4533 921	Electrolytic 100uF/6.3V	CE04W0J101M (SMG/RE3) for E2
C341	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z for E2
C342,343	254 4538 939	Electrolytic 47uF/16V	CE04W1C470M (SMG/RE3) for E2
C347	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z for E2
C348	257 0511 917	Ceramic chip 0.022uF/50V	CK73F1H223Z
C350	257 0506 917	Ceramic chip 470pF/50V	CC73CH1H471J
C351	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C353	254 4533 950	Electrolytic 470uF/6.3V	CE04W0J471M (SMG/RE3)

Ref. No.	Part No.	Part Name	Remarks
C354	254 4538 939	Electrolytic 47uF/16V	CE04W1C470M (SMG/RE3)
C355	254 4533 950	Electrolytic 470uF/6.3V	CE04W0J471M (SMG/RE3)
C356	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C357	254 4538 939	Electrolytic 47uF/16V	CE04W1C470M (SMG/RE3)
C358	254 4533 921	Electrolytic 100uF/6.3V	CE04W0J101M (SMG/RE3)
C359	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C360,361	254 4327 904	Electrolytic 1000uF/6.3V	CE04W0J102M (SMG)
C362	257 0501 901	Ceramic chip 0.01uF/50V	CK73B1H103K
C363	254 4533 921	Electrolytic 100uF/6.3V	CE04W0J101M (SMG/RE3)
C364	254 4533 921	Electrolytic 100uF/6.3V	CE04W0J101M (SMG/RE3) for E3
C365	254 4533 950	Electrolytic 470uF/6.3V	CE04W0J471M (SMG/RE3) for E2
C366	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z for E2
C367	254 4533 921	Electrolytic 100uF/6.3V	CE04W0J101M (SMG/RE3) for E2
C369	254 4327 904	Electrolytic 1000uF/6.3V	CE04W0J102M (SMG) for E2
C404	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z for E2
C405,406	254 4213 937	Electrolytic 100uF/6.3V	CE04W0J101M (SRA) for E2
C407	254 4193 918	Electrolytic 22uF/16V	CE04W1C220M (SRA) for E2
C408	254 4213 937	Electrolytic 100uF/6.3V	CE04W0J101M (SRA) for E2
C409	254 4193 918	Electrolytic 22uF/16V	CE04W1C220M (SRA) for E2
C412	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z for E2
C413,414	254 4213 937	Electrolytic 100uF/6.3V	CE04W0J101M (SRA) for E2
C415	254 4193 918	Electrolytic 22uF/16V	CE04W1C220M (SRA) for E2
C416	254 4213 937	Electrolytic 100uF/6.3V	CE04W0J101M (SRA) for E2
C417	254 4193 918	Electrolytic 22uF/16V	CE04W1C220M (SRA) for E2
C428,429	257 0506 951	Ceramic chip 100pF/50V	CC73CH1H101J for E2
C430	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z for E2
C431	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z for E2
C432	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102K for E2
C437	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z for E2
C440	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z for E3

Ref. No.	Part No.	Part Name	Remarks
C441	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102K for E3
C442	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z for E2
C443	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z for E2
C444	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102K for E2
C451	247 2018 903	Carbon chip 0ohm 1/16W	RM73B–0R0K
C465	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C466	247 2018 903	Carbon chip 0ohm 1/16W	RM73B–0R0K
C468	257 0501 901	Ceramic chip 0.01uF/50V	CK73B1H103K for E2
C702	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102K
C703	257 0501 901	Ceramic chip 0.01uF/50V	CK73B1H103K
C704	254 4213 940	Electrolytic 220uF/6.3V	CE04W0J221M (SRA)
C705	257 0501 901	Ceramic chip 0.01uF/50V	CK73B1H103K
C706	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C707	257 0506 951	Ceramic chip 100pF/50V	CC73CH1H101J
C708,709	257 0501 901	Ceramic chip 0.01uF/50V	CK73B1H103K
C710	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C712	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C713,714	257 0501 901	Ceramic chip 0.01uF/50V	CK73B1H103K
C716,717	257 0501 901	Ceramic chip 0.01uF/50V	CK73B1H103K
C718	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102K
C719,720	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C721-724	257 0501 901	Ceramic chip 0.01uF/50V	CK73B1H103K
C725	254 4196 944	Electrolytic 1uF/50V	CE04W1H010M (SRA)
C940	254 4538 900	Electrolytic 10uF/16V	CE04W1C100M (SMG/RE3)
C941	254 4403 721	Electrolytic 2200uF/25V	CE04W1E222M (SMG)
C943	254 4403 718	Electrolytic 1000uF/25V	CE04W1E102M (SMG)
C944	253 8026 703	Ceramic 4700pF/250V (AC)	CK45E2EAC472M
C950	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C956,957	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C958	257 0511 920	Ceramic chip 0.047uF/50V	CK73F1H473Z

OTHER PARTS GROUP				Q'ty
CW082	205 0355 088	8P KR connector base (L)		1
CX021	205 0581 001	2P VH connector base		1
CX022	205 0581 069	2P VH-VH connector base		1
CX034	205 0343 032	3P connector base (KR-PH)		1
CX051	203 8527 003	5P PH-SAN connector cord		1
CX102	205 0375 000	10P connector base (KR-PH)	for E3	1
CX111	205 0375 013	11P connector base (KR-PH)	for E2	1
CX172	205 0702 071	17P FFC connector base (L)		1
CX173	205 1006 080	17P FFC connector base		1
CY061	205 0355 062	6P KR connector base (L)		1
CY111	205 0480 018	11P KR connector base (L)	for E2	1

Ref. No.	Part No.	Part Name	Remarks	Q'ty
CY171	205 1006 080	17P FFC connector base		1
CY902	205 0480 005	10P KR connector base (L)	for E3	1
⚠ F905	206 1075 027	Fuse 1.6A	for E2	1
⚠ F905	206 1072 048	Fuse 2.5A	for E3	1
FB401-404	235 0130 903	EMI filter (11A121)	for E2	4
FB408,409	235 0130 903	EMI filter (11A121)	for E2	2
FB410-412	235 0130 903	EMI filter (11A121)	for E3	3
FF905	202 0040 909	Fuse clip		1
FH905	202 0040 909	Fuse clip		1
JK301	204 8415 011	3P S-terminal		1
JK302	204 8414 012	2P S-terminal		1
JK303	204 8516 017	3P pin jack		1
JK304	204 8537 012	2P pin jack (GND)		1
JK401	204 6686 004	RGB connector (S-GND)	for E2	1
JK701	204 8636 007	Mini jack (ST.SW)		1
L301,302	235 0060 918	Inductor 4.7uH	for E2	2
L303,304	235 0070 911	Inductor 22uH		2
L305	235 0070 911	Inductor 22uH	for E2	3
L401	235 0070 911	Inductor 22uH	for E2	1
L701	239 8019 002	Line filter coil		1
RL901	214 0214 000	Relay (SDT-S-109LMR)		1
S701-710	212 0467 000	Tact switch		10
S711	212 0461 006	Rotary encoder (V)		1
S712	212 0462 005	Rotary encoder (F)		1
S713	212 0467 000	Tact switch		1
⚠ T901	233 6383 004	Power trans. Sub (E2)	for E2	1
⚠ T901	233 6384 003	Power trans. Sub (E3)	for E3	1
	449 0172 007	Sensor holder		1
	461 1110 000	FL spacer		2
	513 3681 003	Fuse label (T1.6AL)	for E2	1
	412 4833 007	Shield plate (3P)	for E3	1

1U-3360 DSP P.W.B. UNIT ASS'Y

Ref. No.	Part No.	Part Name	Remarks
SEMICONDUCTORS GROUP			
IC101	262 2964 001	IC AT49LV002-70TC	
IC103	262 2820 909	IC SN74LV574APW	
IC104	262 2954 901	IC SN74LVC574APW	
IC105	262 2959 906	IC SN74LV244APW	
IC106	262 2953 902	IC SN74HCT244APW	
IC107	262 2675 015	IC LC89055W	
IC108	262 2950 002	IC AK4527BVQ	
IC109	262 2949 903	IC CS493292-CL	
IC110,111	262 2519 906	IC SN74LV00APW	
IC112	262 2446 901	IC SN74LVC244APW	
IC113	262 2953 902	IC SN74HCT244APW	
IC114	262 2781 909	IC SN74LV4040APW	
IC115-117	263 0615 902	IC BA15218F	
IC118,119	263 0934 900	IC BA4510F	
IC120	263 1126 908	IC NJM7805DL1A	
IC121	263 1129 905	IC NJM2391DL1-25	
IC122	263 1130 907	IC NJM2391DL1-33	
IC123	262 2608 901	IC TC74VHC123FT	
IC401	262 2768 906	IC AD1854KRSRL	
IC402	263 0615 902	IC BA15218F	
IC601-603	263 0615 902	IC BA15218F	
IC604	262 2952 903	IC M62446FP	
IC605	263 0359 006	IC LC4966	
TR101	269 0082 902	Transistor DTC114EK	
TR102	269 0083 901	Transistor DTA114EK	
TR103-108	273 0460 905	Transistor KTC2875B	
TR109	269 0083 901	Transistor DTA114EK	
TR401,402	273 0253 918	Transistor 2SC2878 (A/B)	
TR403	269 0083 901	Transistor DTA114EK	
TR404	269 0082 902	Transistor DTC114EK	
TR601,602	275 0100 902	FET 2SK771	
TR603	269 0144 905	Transistor DTC114YK	
TR604	269 0083 901	Transistor DTA114EK	
TR609	269 0083 901	Transistor DTA114EK	
TR610,611	269 0082 902	Transistor DTC114EK	
D102,103	276 0679 902	Diode MA152A	
D601,602	276 0679 902	Diode MA152A	
ZD601,602	276 0644 911	Zener diode MTZJ7.5A	
ZD603	276 0693 962	Zener diode UDZ3.6B	
RESISTORS GROUP			
R101,102	247 2009 983	Carbon chip 10kohm 1/16W	RM73B--103J
R103	247 2009 967	Carbon chip 8.2kohm 1/16W	RM73B--822J

Ref. No.	Part No.	Part Name	Remarks
R104	247 2008 955	Carbon chip 3kohm 1/16W	RM73B–302J
R105	247 2009 912	Carbon chip 5.1kohm 1/16W	RM73B–512J
R106	247 2004 975	Carbon chip 75ohm 1/16W	RM73B–750J
R107-110	247 2004 920	Carbon chip 47ohm 1/16W	RM73B–470J
R111	247 2014 965	Carbon chip 1Mohm 1/16W	RM73B–105J
R112,113	247 2018 903	Carbon chip 0ohm 1/16W	RM73B–0R0K
R115,116	247 2009 909	Carbon chip 4.7kohm 1/16W	RM73B–472J
R117	247 2009 983	Carbon chip 10kohm 1/16W	RM73B–103J
R119	247 2011 900	Carbon chip 33kohm 1/16W	RM73B–333J
R122-126	247 2012 925	Carbon chip 100kohm 1/16W	RM73B–104J
R127	247 2009 909	Carbon chip 4.7kohm 1/16W	RM73B–472J
R128	247 2012 925	Carbon chip 100kohm 1/16W	RM73B–104J
R129-131	247 2009 909	Carbon chip 4.7kohm 1/16W	RM73B–472J
R132	247 2009 938	Carbon chip 6.2kohm 1/16W	RM73B–622J
R133,134	247 2009 909	Carbon chip 4.7kohm 1/16W	RM73B–472J
R135	247 2011 942	Carbon chip 47kohm 1/16W	RM73B–473J
R136-145	247 2009 909	Carbon chip 4.7kohm 1/16W	RM73B–472J
R147,148	247 2009 909	Carbon chip 4.7kohm 1/16W	RM73B–472J
R149	247 2010 943	Carbon chip 18kohm 1/16W	RM73B–183J
R150	247 2009 909	Carbon chip 4.7kohm 1/16W	RM73B–472J
R151	247 2011 942	Carbon chip 47kohm 1/16W	RM73B–473J
R152-154	247 2009 909	Carbon chip 4.7kohm 1/16W	RM73B–472J
R155	247 2010 943	Carbon chip 18kohm 1/16W	RM73B–183J
R157-161	247 2009 909	Carbon chip 4.7kohm 1/16W	RM73B–472J
R162-167	247 2007 943	Carbon chip 1kohm 1/16W	RM73B–102J
R168	247 2009 909	Carbon chip 4.7kohm 1/16W	RM73B–472J
R169-171	247 2012 925	Carbon chip 100kohm 1/16W	RM73B–104J
R172	247 2009 909	Carbon chip 4.7kohm 1/16W	RM73B–472J
R173-175	247 2012 925	Carbon chip 100kohm 1/16W	RM73B–104J
R176	247 2007 943	Carbon chip 1kohm 1/16W	RM73B–102J
R177	247 2009 909	Carbon chip 4.7kohm 1/16W	RM73B–472J
R178	247 2006 960	Carbon chip 470ohm 1/16W	RM73B–471J
R179	247 2009 909	Carbon chip 4.7kohm 1/16W	RM73B–472J
R180-183	247 2008 926	Carbon chip 2.2kohm 1/16W	RM73B–222J
R184	247 2013 982	Carbon chip 470kohm 1/16W	RM73B–474J
R185,186	247 2008 926	Carbon chip 2.2kohm 1/16W	RM73B–222J
R187	247 2006 960	Carbon chip 470ohm 1/16W	RM73B–471J
R188	247 2009 909	Carbon chip 4.7kohm 1/16W	RM73B–472J
R189,190	247 2006 960	Carbon chip 470ohm 1/16W	RM73B–471J
R191	247 2009 938	Carbon chip 6.2kohm 1/16W	RM73B–622J
R192	247 2009 983	Carbon chip 10kohm 1/16W	RM73B–103J
R193	247 2009 909	Carbon chip 4.7kohm 1/16W	RM73B–472J
R194-204	247 2009 983	Carbon chip 10kohm 1/16W	RM73B–103J
R205	247 2004 920	Carbon chip 47ohm 1/16W	RM73B–470J
R206	247 2014 965	Carbon chip 1Mohm 1/16W	RM73B–105J
R207	247 2011 900	Carbon chip 33kohm 1/16W	RM73B–333J
R208,209	247 2018 903	Carbon chip 0ohm 1/16W	RM73B–0R0K
R210-225	247 2005 903	Carbon chip 100ohm 1/16W	RM73B–101J
R226-231	247 2018 903	Carbon chip 0ohm 1/16W	RM73B–0R0K
R232-247	247 2004 920	Carbon chip 47ohm 1/16W	RM73B–470J
R249	247 2007 901	Carbon chip 680ohm 1/16W	RM73B–681J

Ref. No.	Part No.	Part Name	Remarks
R401-403	247 2009 983	Carbon chip 10kohm 1/16W	RM73B--103J
R404	247 2008 913	Carbon chip 2kohm 1/16W	RM73B--202J
R405	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K
R406	247 2009 983	Carbon chip 10kohm 1/16W	RM73B--103J
R407	247 2008 968	Carbon chip 3.3kohm 1/16W	RM73B--332J
R408	247 2009 954	Carbon chip 7.5kohm 1/16W	RM73B--752J
R409-412	247 2009 909	Carbon chip 4.7kohm 1/16W	RM73B--472J
R413,414	247 2009 967	Carbon chip 8.2kohm 1/16W	RM73B--822J
R415,416	247 2008 900	Carbon chip 1.8kohm 1/16W	RM73B--182J
R417-420	247 2009 912	Carbon chip 5.1kohm 1/16W	RM73B--512J
R421,422	247 2008 900	Carbon chip 1.8kohm 1/16W	RM73B--182J
R423,424	247 2012 925	Carbon chip 100kohm 1/16W	RM73B--104J
R425,426	247 2006 960	Carbon chip 470ohm 1/16W	RM73B--471J
R427,428	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K
R430	247 2007 943	Carbon chip 1kohm 1/16W	RM73B--102J
R434	247 2007 943	Carbon chip 1kohm 1/16W	RM73B--102J
R435,436	247 2008 926	Carbon chip 2.2kohm 1/16W	RM73B--222J
R601,602	247 2008 984	Carbon chip 3.9kohm 1/16W	RM73B--392J
R603,604	247 2009 909	Carbon chip 4.7kohm 1/16W	RM73B--472J
R605,606	247 2010 927	Carbon chip 15kohm 1/16W	RM73B--153J
R607,608	247 2009 938	Carbon chip 6.2kohm 1/16W	RM73B--622J
R609,610	247 2010 927	Carbon chip 15kohm 1/16W	RM73B--153J
R611,612	247 2005 903	Carbon chip 100ohm 1/16W	RM73B--101J
R613,614	247 2012 925	Carbon chip 100kohm 1/16W	RM73B--104J
R615	247 2008 984	Carbon chip 3.9kohm 1/16W	RM73B--392J
R616	247 2009 941	Carbon chip 6.8kohm 1/16W	RM73B--682J
R617	247 2009 925	Carbon chip 5.6kohm 1/16W	RM73B--562J
R618	247 2009 983	Carbon chip 10kohm 1/16W	RM73B--103J
R619	247 2009 967	Carbon chip 8.2kohm 1/16W	RM73B--822J
R620	247 2008 926	Carbon chip 2.2kohm 1/16W	RM73B--222J
R621	247 2005 903	Carbon chip 100ohm 1/16W	RM73B--101J
R622	247 2012 925	Carbon chip 100kohm 1/16W	RM73B--104J
R627,628	247 2012 925	Carbon chip 100kohm 1/16W	RM73B--104J
R629	244 2051 961	Metal oxide 100ohm 1W (NB)	RS14B3A101JNBS (S)
R630	247 2011 942	Carbon chip 47kohm 1/16W	RM73B--473J
R632	244 2051 961	Metal oxide 100ohm 1W (NB)	RS14B3A101JNBS (S)
R633-636	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K
R666,667	247 2012 925	Carbon chip 100kohm 1/16W	RM73B--104J
R668,669	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K
R670	247 2008 942	Carbon chip 2.7kohm 1/16W	RM73B--272J
R671	247 2007 914	Carbon chip 750ohm 1/16W	RM73B--751J
R673-676	247 2018 903	Carbon chip 0ohm 1/16W	RM73B--0R0K

CAPACITORS GROUP

Ref. No.	Part No.	Part Name	Remarks
C101	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C102	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C103	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102K
C104	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C105	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C106	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102K
C107.108	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z

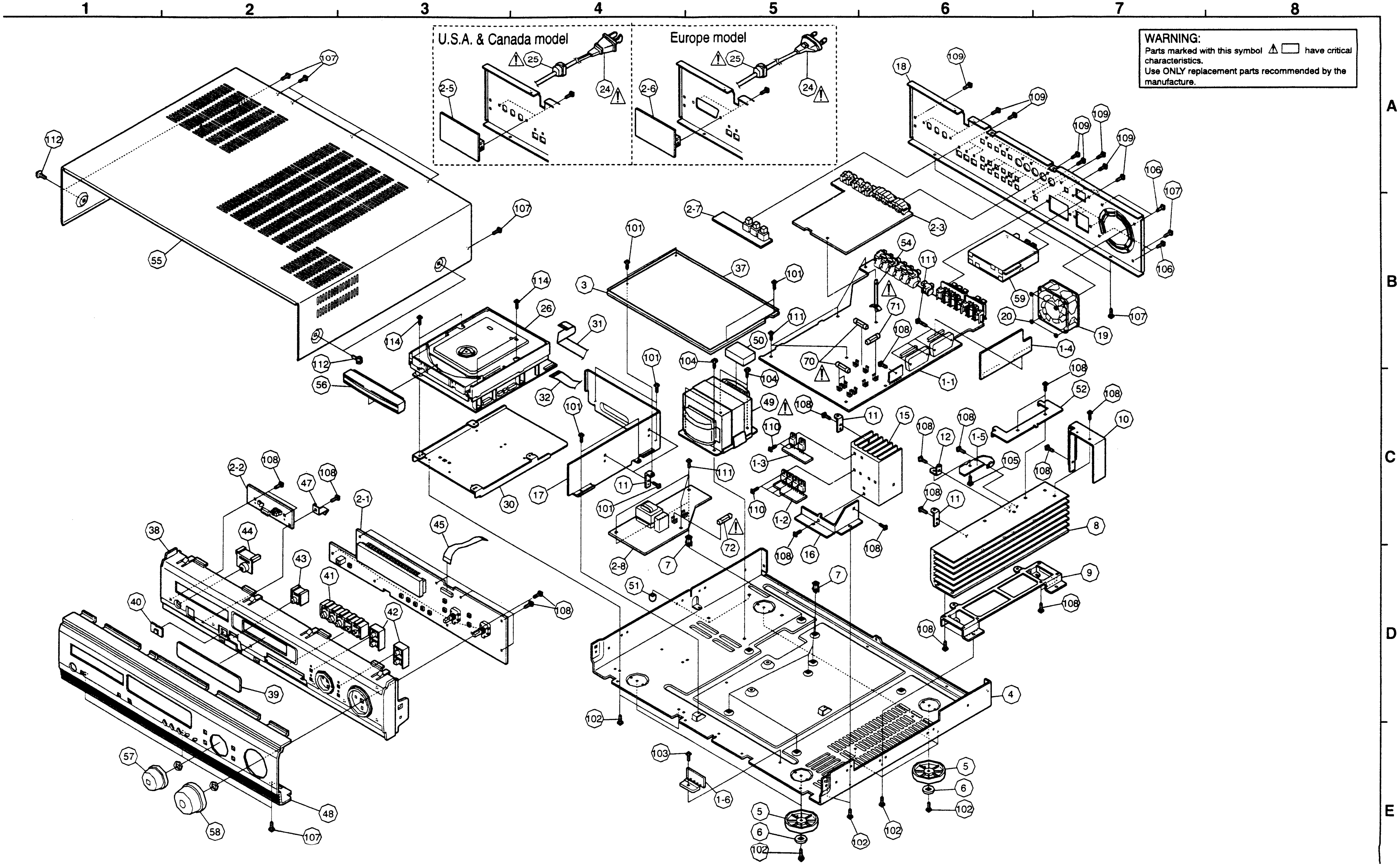
Ref. No.	Part No.	Part Name	Remarks
C109,110	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C111	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C112	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102K
C113,114	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C115	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C116	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C117	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102K
C118	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C119,120	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C121	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C122	256 1058 971	Metallized 0.1uF/50V	CF93A1H104J (JL)
C123	255 1265 936	Mylar film 0.01uF/50V	CQ93M1H103J (B)
C124	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C125	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C126	254 4524 943	Electrolytic 1uF/50V	CE04W1H010M (SMG/RE3)
C127,128	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C129	257 0504 966	Ceramic chip 39pF/50V	CC73CH1H390J
C130	257 0501 901	Ceramic chip 0.01uF/50V	CK73B1H103K
C131	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C132	257 0504 966	Ceramic chip 39pF/50V	CC73CH1H390J
C133	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C134	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C135	254 4533 934	Electrolytic 220uF/6.3V	CE04W0J221M (SMG/RE3)
C136,137	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C138	254 4538 900	Electrolytic 10uF/16V	CE04W1C100M (SMG/RE3)
C139	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C140	254 4524 943	Electrolytic 1uF/50V	CE04W1H010M (SMG/RE3)
C141	254 4538 900	Electrolytic 10uF/16V	CE04W1C100M (SMG/RE3)
C142	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C143,144	254 4538 900	Electrolytic 10uF/16V	CE04W1C100M (SMG/RE3)
C145	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C146	257 0501 901	Ceramic chip 0.01uF/50V	CK73B1H103K
C147,148	254 4524 956	Electrolytic 2.2uF/35V	CE04W1H2R2M (SMG/RE3)
C149	257 0508 917	Ceramic chip 470pF/50V	CC73CH1H471J
C150	257 0501 901	Ceramic chip 0.01uF/50V	CK73B1H103K
C151	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C152	254 4538 939	Electrolytic 47uF/16V	CE04W1C470M (SMG/RE3)
C157	254 4193 905	Electrolytic 10uF/16V	CE04W1C100M (SRA)
C158-162	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C163	254 4193 905	Electrolytic 10uF/16V	CE04W1C100M (SRA)
C164-170	254 4522 916	Electrolytic 10uF/35V	CE04W1V100M (SMG/RE3)
C171-176	257 0508 959	Ceramic chip 680pF/50V	CC73CH1E681J
C177,178	254 4522 916	Electrolytic 10uF/35V	CE04W1V100M (SMG/RE3)
C179-184	257 0508 959	Ceramic chip 680pF/50V	CC73CH1E681J
C185	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C186	254 4536 928	Electrolytic 100uF/10V	CE04W1A101M (SMG/RE3)
C187	257 0506 951	Ceramic chip 100pF/50V	CC73CH1H101J
C188-190	254 4522 916	Electrolytic 10uF/35V	CE04W1V100M (SMG/RE3)
C191	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102K
C192,193	254 4522 916	Electrolytic 10uF/35V	CE04W1V100M (SMG/RE3)
C194	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z

Ref. No.	Part No.	Part Name	Remarks
C195	257 0506 951	Ceramic chip 100pF/50V	CC73CH1H101J
C196	254 4522 916	Electrolytic 10uF/35V	CE04W1V100M (SMG/RE3)
C197	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C198-203	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C204	254 4522 916	Electrolytic 10uF/35V	CE04W1V100M (SMG/RE3)
C205-210	257 0510 918	Ceramic chip 3300pF/50V	CK73B1H332K
C211	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C212,213	257 0506 951	Ceramic chip 100pF/50V	CC73CH1H101J
C214	254 4524 985	Electrolytic 10uF/50V	CE04W1H100M (SMG/RE3)
C215	254 4524 901	Electrolytic 0.1uF/50V	CE04W1H0R1M (SMG/RE3)
C216,217	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102K
C218,219	254 4541 942	Electrolytic 100uF/25V	CE04W1E101M (SMG/RE3)
C220	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C221	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102K
C222	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C223	257 0507 976	Ceramic chip 330pF/50V	CC73CH1H331J
C401	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C402	254 4213 937	Electrolytic 100uF/6.3V	CE04W0J101M (SRA)
C403	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C404	254 4193 905	Electrolytic 10uF/16V	CE04W1C100M (SRA)
C405	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C406	254 4193 905	Electrolytic 10uF/16V	CE04W1C100M (SRA)
C407	257 0512 903	Ceramic chip 0.1uF/25V	CK73F1E104Z
C408	254 4213 937	Electrolytic 100uF/6.3V	CE04W0J101M (SRA)
C409-412	257 0508 933	Ceramic chip 560pF/50V	CC73CH1H561J
C413-416	257 0507 918	Ceramic chip 180pF/50V	CC73CH1H181J
C419,420	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C421,422	254 4193 947	Electrolytic 100uF/16V	CE04W1C101M (SRA)
C423,424	254 4195 929	Electrolytic 10uF/35V	CE04W1V100M (SRA)
C601,602	257 0506 951	Ceramic chip 100pF/50V	CC73CH1H101J
C603,604	257 0511 920	Ceramic chip 0.047uF/50V	CK73F1H473Z
C605,606	257 0504 940	Ceramic chip 33pF/50V	CC73CH1H330J
C607,608	257 0511 920	Ceramic chip 0.047uF/50V	CK73F1H473Z
C609,610	254 4522 916	Electrolytic 10uF/35V	CE04W1V100M (SMG/RE3)
C611	257 0506 951	Ceramic chip 100pF/50V	CC73CH1H101J
C612	257 0511 920	Ceramic chip 0.047uF/50V	CK73F1H473Z
C613	254 4524 943	Electrolytic 1uF/50V	CE04W1H010M (SMG/RE3)
C614	257 0511 920	Ceramic chip 0.047uF/50V	CK73F1H473Z
C615	257 0504 982	Ceramic chip 47pF/50V	CC73CH1H470J
C616	254 4522 916	Electrolytic 10uF/35V	CE04W1V100M (SMG/RE3)
C617	254 4536 915	Electrolytic 47uF/10V	CE04W1A470M (SMG/RE3)
C618	257 0510 963	Ceramic chip 8200pF/50V	CK73B1H822K
C619	257 0501 927	Ceramic chip 0.015uF/50V	CK73B1H153K
C624-627	254 4524 969	Electrolytic 3.3uF/50V	CE04W1H3R3M (SMG/RE3)
C628	254 4524 927	Electrolytic 0.33uF/50V	CE04W1HR33M (SMG/RE3)
C629	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C630	254 4524 943	Electrolytic 1uF/50V	CE04W1H010M (SMG/RE3)
C631	257 0511 904	Ceramic chip 0.01uF/50V	CK73F1H103Z
C632,633	254 4524 943	Electrolytic 1uF/50V	CE04W1H010M (SMG/RE3)

Ref. No.	Part No.	Part Name	Remarks
C634,635	254 4524 969	Electrolytic 3.3uF/50V	CE04W1H3R3M (SMG/RE3)
C636	257 0501 927	Ceramic chip 0.015uF/50V	CK73B1H153K
C637	254 4524 927	Electrolytic 0.33uF/50V	CE04W1HR33M (SMG/RE3)
C638	257 0510 963	Ceramic chip 8200pF/50V	CK73B1H822K
C639	254 4536 915	Electrolytic 47uF/10V	CE04W1A470M (SMG/RE3)
C677,678	254 4522 916	Electrolytic 10uF/35V	CE04W1V100M (SMG/RE3)

OTHER PARTS GROUP				Q'ty
CX251	205 1006 093	25P FFC connector base		1
CX271	205 1050 049	27P FFC connector base		1
CY191	205 1006 006	19P FFC connector base		1
FB101-121	235 0130 903	EMI filter (11A121)		21
FB124,125	235 0049 900	Beads inductor		2
FB127-130	235 0049 900	Beads inductor		4
FB131,132	235 0130 903	EMI filter (11A121)		2
FB139	235 0049 900	Beads inductor		1
FB140	235 0130 903	EMI filter (11A121)		1
FB141,142	235 0049 900	Beads inductor		2
FB401	235 0130 903	EMI filter (11A121)		1
FB403	235 0049 900	Beads inductor		1
FB407,408	235 0130 903	EMI filter (11A121)		2
X101	399 0219 021	Crystal 12.288MHz		1
	207 0022 003	IC socket	for IC101	1

EXPLODED VIEW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WARNING:
Parts marked with this symbol ⚠ ☐ have critical characteristics.
Use ONLY replacement parts recommended by the manufacture.

PARTS LIST OF EXPLODED VIEW

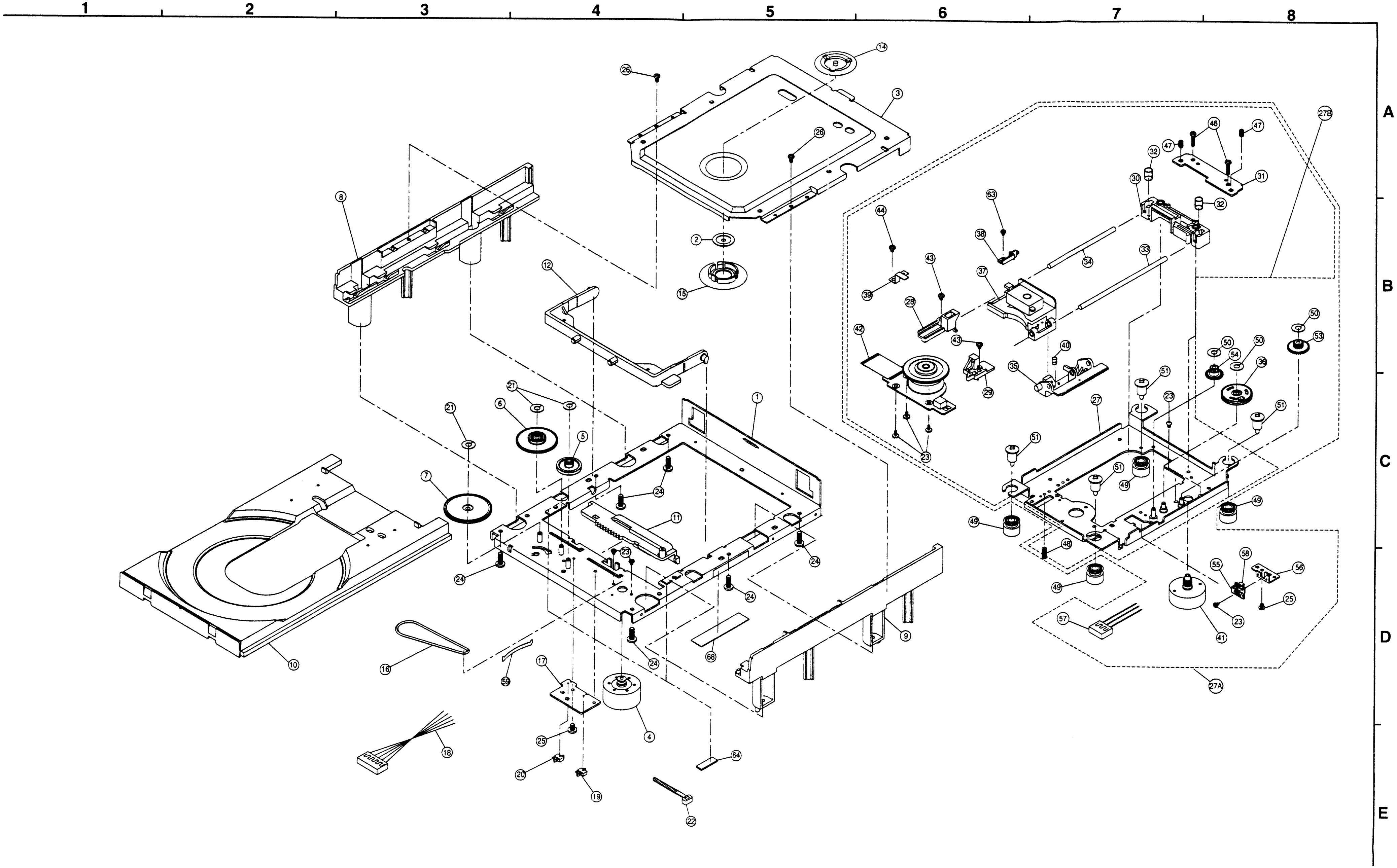
Note: The symbols in the column "Remarks" indicate the following destinations.
E3: U.S.A./Canada model
E2: Europe model

Ref. No.	Part No.	Part Name	Remarks	Q'ty
1	1U-3358	Main P.W.B. unit Ass'y	for E2	1
1	1U-3358A	Main P.W.B. unit Ass'y	for E3	1
1-1		Main P.W.B. unit		
1-2		Reg. P.W.B. unit		
1-3		Audio reg. P.W.B. unit		
1-4		Prot./Fan P.W.B. unit		
1-5		Posistor P.W.B. unit		
1-6		D-bridge unit		
2	1U-3359	Display/Video P.W.B. unit Ass'y	for E2	1
2	1U-3359A	Display/Video P.W.B. unit Ass'y	for E3	1
2-1		Display P.W.B. unit		
2-2		H/P P.W.B. unit		
2-3		Video P.W.B. unit		
2-5		Component P.W.B. unit	for E3	
2-6		Scart P.W.B. unit	for E2	
2-7		Opt. P.W.B. unit		
2-8		Sub trans P.W.B. unit		
3	1U-3360	DSP P.W.B. unit Ass'y		1
4	411 1984 309	Main chassis		1
5	146 2242 007	Foot		4
6	461 1066 002	Felt		4
7	443 9015 002	P.W.B. spacer		8
8	417 0611 105	Heat sink		1
9	412 4796 005	Heat sink bracket		1
10	412 4791 107	Fan bracket		1
11	412 4792 106	P.W.B. support (A)		4
12	412 4793 008	P.W.B. support (B)		1
★ 13	254 6222 706	Electrolytic 6800uF/35V	CE04W1V682M (DL) for C910	1
★ 14	254 4539 718	Electrolytic 2200uF/16V	CE04W1C222M (SMG/RE3) for C955	1
15	417 0618 001	Heat sink (S)		1
16	412 4824 003	Heat sink bracket (S)		1
17	412 4795 200	Mecha shield bracket		1
18	105 1375 217	Back panel	for E2	1
18	105 1375 220	Back panel	for E3	1
19	421 0771 002	Fan (60x60) 12V		1
20	475 6008 006	4 Nut		4
★ 21	009 0212 002	15P FFC cable		1
★ 22	009 0213 001	17P FFC cable		1
★ 23	204 0555 005	6P shield connector cord		1
⚠ 24	206 2089 106	AC cord	for E2	1
⚠ 24	206 2160 009	AC cord	for E3	1
⚠ 25	445 0056 008	Cord bush		1
26	337 0093 016	DVD drive mecha. unit		1
27	439 0023 104	DVD side chassis (L)		1
28	439 0024 103	DVD side chassis (R)		1
★ 29	009 0186 002	24P FFC cable		1
30	412 4794 104	Mecha bracket		1
31	009 0214 000	17P FFC cable		1
32	009 0215 009	19P FFC cable		1
★ 33	204 2900 001	9P-14P PH connector cord		1
★ 34	204 2901 000	8P-9P PH connector cord		1
★ 35	009 0216 008	27P FFC cable		1
★ 36	009 0217 007	25P FFC cable		1
37	415 0867 005	PVC sheet (DSP)		1
38	*146 2243 103*	*Inner panel*		1
39	143 1118 007	Window		1
40	143 1119 006	Remocon filter		1
41	113 1905 002	Knob (5P)		1
42	113 1906 001	Knob (2P)		2
43	113 1907 000	Knob (1P)		1
44	113 1888 006	Power knob Ass'y		1
45	009 0214 013	17P FFC cable		1
★ 46	204 2899 002	8P PH-3P5P PH connector cord		1
47	412 4839 001	Earth plate (H/P)		1
48	144 2763 014	Front panel	for E2	1
48	144 2763 027	Front panel	for E3	1
⚠ 49	233 6381 006	Power trans. (Main)	for E2	1
⚠ 49	233 6382 005	Power trans. (Main)	for E3	1
50	461 1105 002	Trans. pad		1
51	129 0259 000	Screw cap		2
52	412 4802 009	P.W.B. support (C)		1
★ 53	445 8004 007	Wire clamper		8
54	412 4835 005	P.W.B. holder (H=34.9)		1
55	102 0648 205	Top cover		1
56	146 2244 102	Loader panel		1
57	112 0856 007	Volume knob Ass'y		1
58	112 0883 009	Volume knob (S) Ass'y		1
59	216 0108 002	Tuner pack (TFCE1E5)	for E2	1
59	216 0109 001	Tuner pack (TFCE1U5)	for E3	1
★ 60	204 6699 004	11P PH-PH connector cord	for E2	1
★ 61	513 3463 001	Label (laser)	for E2	1
★ 61	513 3406 107	Label (A)	for E3	1
★ 62	513 3677 004	Fuse caution label A	for E3	1
★ 63	513 3678 003	Fuse caution label B	for E3	1
★ 64	513 3628 008	Rating sheet	for E2	1
★ 64	513 3630 009	Rating sheet	for E3	1
★ 65	513 1642 002	No. sheet		1
★ 66	513 3629 007	Notice label		1
★ 67	513 3632 007	Caution label		1
★ 68	513 3639 000	Notice label (FFC)	for E3	1
★ 69	513 3693 004	C/UL label	for E3	1
⚠ 70	206 1075 001	Fuse 1A (F902-904)	for E2	3
	206 1072 004	Fuse 1A (F902-904)	for E3	3
⚠ 71	206 1075 069	Fuse 4A (F901)	for E2	1
	206 1072 075	Fuse 4A (F901)	for E3	1
⚠ 72	206 1075 027	Fuse 1.6A (F905)	for E2	1
	206 1072 046	Fuse 2.5A (F905)	for E3	1
SCREWS				
101	473 7002 005	Screw 3x6 CBTS (S)-Z		15
102	473 7002 034	Screw 3x6 CBTS (S)-B	for E2	19
102	473 7002 034	Screw 3x6 CBTS (S)-B	for E3	17
103	473 7003 017	Screw 3x8 CFTS (S)-B		2
104	473 7004 003	Screw 4x8 CBTS (S)-Z		4
105	473 7005 073	Screw 3x5 CBTS (S)-Z		1
106	473 7007 055	Screw 4x30 CBTS (S)-B		4
107	473 7015 005	Screw 3x6 CBTS (S)-B		15
108	473 7500 015	Screw 3x8 CBTS (P)-Z		36
109	473 7500 044	Screw 3x8 CBTS (P)-B	for E2	24
109	473 7500 044	Screw 3x8 CBTS (P)-B	for E3	26
110	473 7501 001	Screw 3x10 CBTS (P)-Z		6
111	473 7501 014	Screw 3x14 CBTS (P)-Z		12
112	477 0263 018	3P. swelling screw		4
113	473 7506 019	Screw 2x6 CBTS (P)-Z		4
114	*473 7001 048*	*Screw 2.6x8 CBTS (S)-Z*		4

PARTS LIST OF DVD MECHANISM UNIT

Ref. No.	Part No.	Part Name	Remarks	Q'ty
1A	337 0093 016	Mecha unit Ass'y		
1	9KC 1A01 7	Main chassis Ass'y		1
2	9KA 7P08 5	Clamper bracket		1
3	9KC 4P00 7	Guide clamp bracket		1
4	9KC 2A00 3	Loading motor Ass'y		1
5	9KC 2G02 9	Loading gear		1
6	9KB 9G03 0	Loading gear 2nd		1
7	9KB 9G03 1	Loading gear 3rd		1
8	439 0023 007	Sub chassis-L		1
9	439 0024 006	Sub chassis-R		1
10	9KA 2G39 9	Tray		1
11	9KC 1G00 3	Slide-cam		1
12	9KC 1G00 4	Traverse arm		1
14	9KA 7G20 2	Clamper H		1
15	9KA 7G13 0	Clamper L		1
16	9KB 9G01 5	Loading belt		1
17	9KC 1P01 4	Switch P.W.B.		1
18	9KC 2G04 3	5P PH wire		1
19	9KS 01W1 97	Switch ESE22MH11		
20	9KS 01W1 98	Switch ESE22MH3		1
21	9KP 26C6 25	Poly.slit washer 2.6×6×0.25C		3
22	445 8004 007	Wire clamper		1
23	9KS 17N0 22	Precision screw 1.7×2.2 type3		2
24	9KB 26BK 06	Screw 2.6×6 CBTS(B)-Z		6
26	473 7506 019	Screw 2×6 CBTS(P)-Z		2
27A	9KC A020 A	Traverse mecha (feed) Ass'y	Assembled part	1
27B	9KC A021 A	Traverse mecha Ass'y	Assembled part	1
23	—	Precision screw 1.7×2.2 type3	For spindle motor	
27	—	PU chassis Ass'y		
28	—	Shaft holder L		
29	—	Shaft holder R		
30	—	Shaft tilt base		
31	—	Shaft tilt plate		
32	—	Tilt spring		
33	—	Main shaft		
34	—	Sub shaft		
35	—	PU rack gear		
37	—	Pick up HOP-1000		
38	—	PU spring		
39	—	Shaft spring		
40	—	Rack gear spring		
42	—	T/T motor Ass'y		
43	—	Screw 2.6×6 CBTS(S)-Z		
44	—	Screw 2.6×4 CBTS(S)-Z		
46	—	Screw 2.6×15 CFTS(S)-Z		
47	—	Screw 3×4 BSS		
63	—	Precision screw 1.7×3.5 type3		
23	—	Precision screw 1.7×2.2 type3		
25	—	Precision screw 2×3(S) type3		
36	—	Feed gear 2nd Ass'y		
41	—	Feed motor Ass'y		
50	—	Poly.slit washer 2.1×4×0.25C		
53	—	Feed gear 3rd		
54	—	Feed counter		
55	—	Sensor P.W.B.		
56	—	Sensor bracket		
57	—	3P PH wire		
58	—	Photo interrupter GP1S093HCZ		
48	474 4302 002	Screw 3×8 BSS (A)		1
49	9KC 1G04 3	Damper		4
51	9KC 1H01 1	Special screw		4
59	9KB 7P02 4	Tray-spring-VXF		1
63	9KS 17N0 35	Precision screw 1.7×3.5 type3		1
64	9KC 1G04 2	Rubber cushion		2
68	—	Tape W10×30 (NITTO No.156)		1

EXPLODED VIEW OF DVD MECHANISM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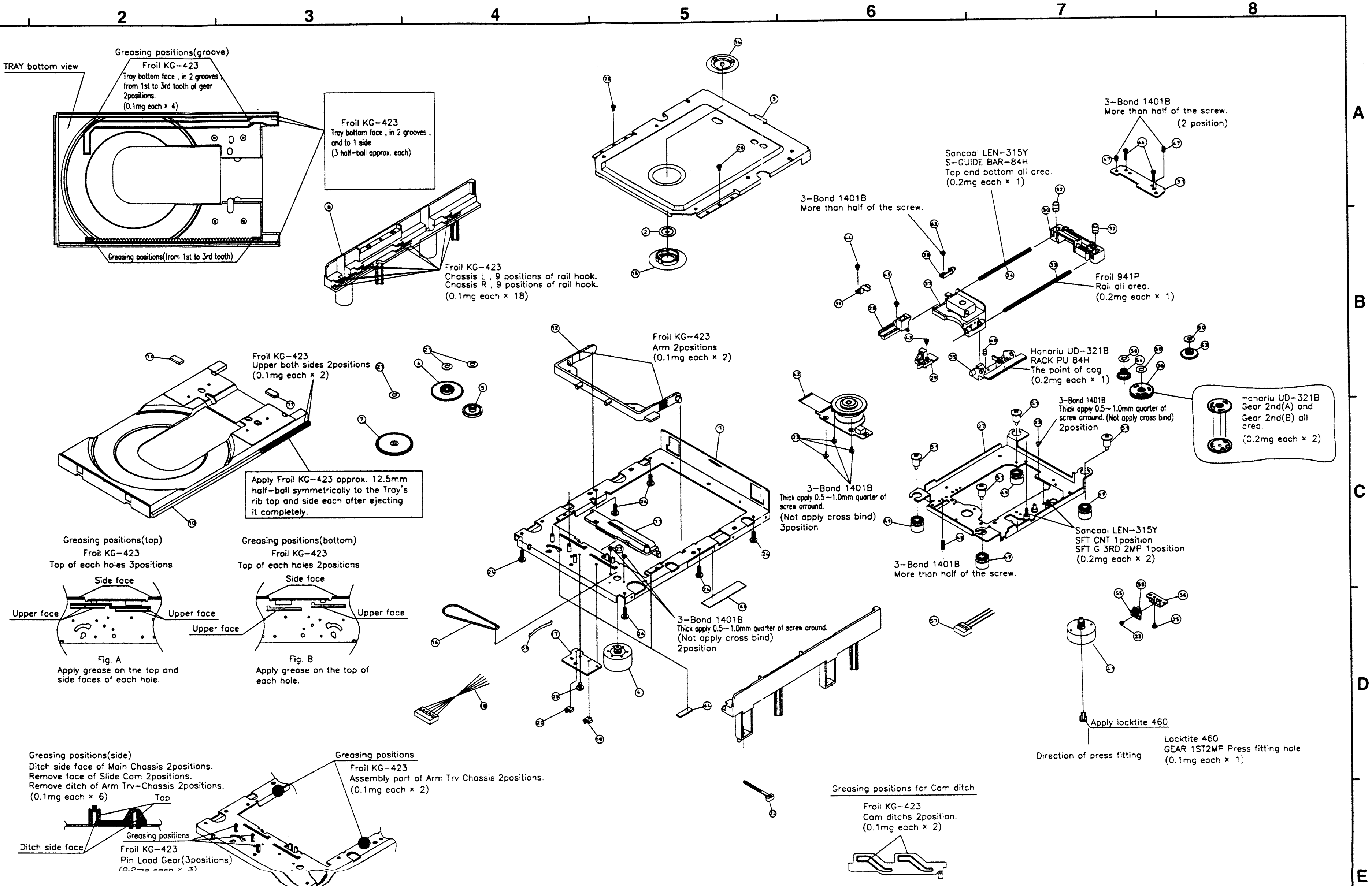
POINTS OF GREASING



Greasing positions(groove)
Froil KG-423
Tray bottom face , in 2 grooves , from 1st to 3rd tooth of gear 2positions.
(0.1mg each × 4)

Greasing positions(from 1st to 3rd tooth)

Froil KG-423
Tray bottom face , in 2 grooves , and to 1 side
(3 half-ball approx. each)

Froil KG-423
Chassis L , 9 positions of rail hook.
Chassis R , 9 positions of rail hook.
(0.1mg each × 18)

3-Bond 1401B
More than half of the screw.

Sancool LEN-315Y
S-GUIDE BAR-84H
Top and bottom all area.
(0.2mg each × 1)

3-Bond 1401B
More than half of the screw.
(2 position)

Froil 941P
Rail all area.
(0.2mg each × 1)

Froil KG-423
Upper both sides 2positions
(0.1mg each × 2)

Apply Froil KG-423 approx. 12.5mm half-ball symmetrically to the Tray's rib top and side each after ejecting it completely.

Froil KG-423
Arm 2positions
(0.1mg each × 2)

Hanarlu UD-321B
RACK PU 84H
The point of cog
(0.2mg each × 1)

Hanarlu UD-321B
Gear 2nd(A) and Gear 2nd(B) all area.
(0.2mg each × 2)

3-Bond 1401B
Thick apply 0.5~1.0mm quarter of screw arround. (Not apply cross bind)
2position

3-Bond 1401B
Thick apply 0.5~1.0mm quarter of screw arround.
(Not apply cross bind)
3position

Sancool LEN-315Y
SFT CNT 1position
SFT G 3RD 2MP 1position
(0.2mg each × 2)

3-Bond 1401B
More than half of the screw.

Greasing positions(top)
Froil KG-423
Top of each holes 3positions

Fig. A
Apply grease on the top and side faces of each hole.

Greasing positions(bottom)
Froil KG-423
Top of each holes 2positions

Fig. B
Apply grease on the top of each hole.

3-Bond 1401B
Thick apply 0.5~1.0mm quarter of screw around.
(Not apply cross bind)
2position

Apply locktite 460

Locktite 460
GEAR 1ST2MP Press fitting hole
(0.1mg each × 1)

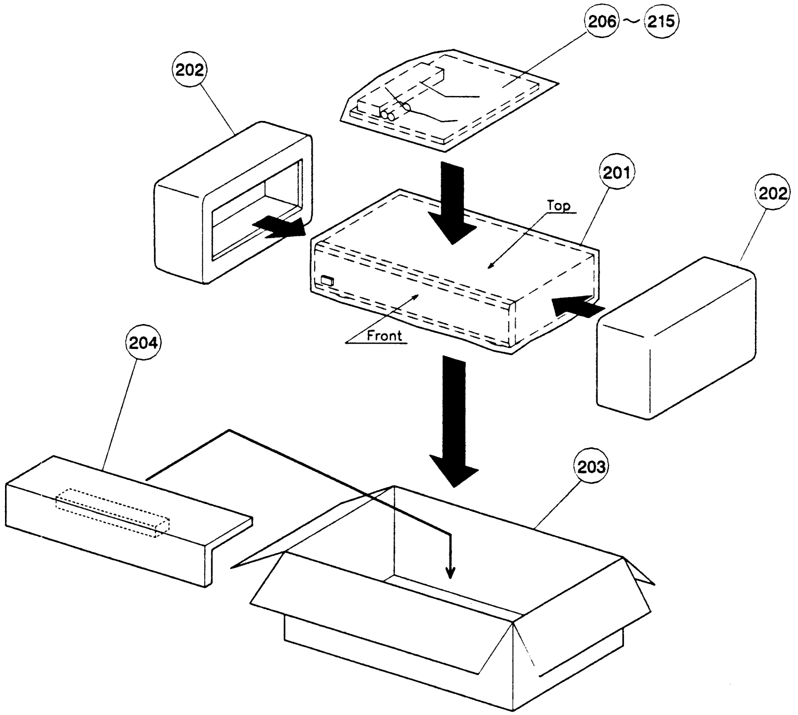
Greasing positions(side)
Ditch side face of Main Chassis 2positions.
Remove face of Slide Cam 2positions.
Remove ditch of Arm Trv-Chassis 2positions.
(0.1mg each × 6)

Greasing positions
Froil KG-423
Pin Load Gear(3positions)
(0.2mg each × 3)

Greasing positions
Froil KG-423
Assembly part of Arm Trv Chassis 2positions.
(0.1mg each × 2)

Greasing positions for Cam ditch
Froil KG-423
Cam ditchs 2position.
(0.1mg each × 2)

PACKING VIEW

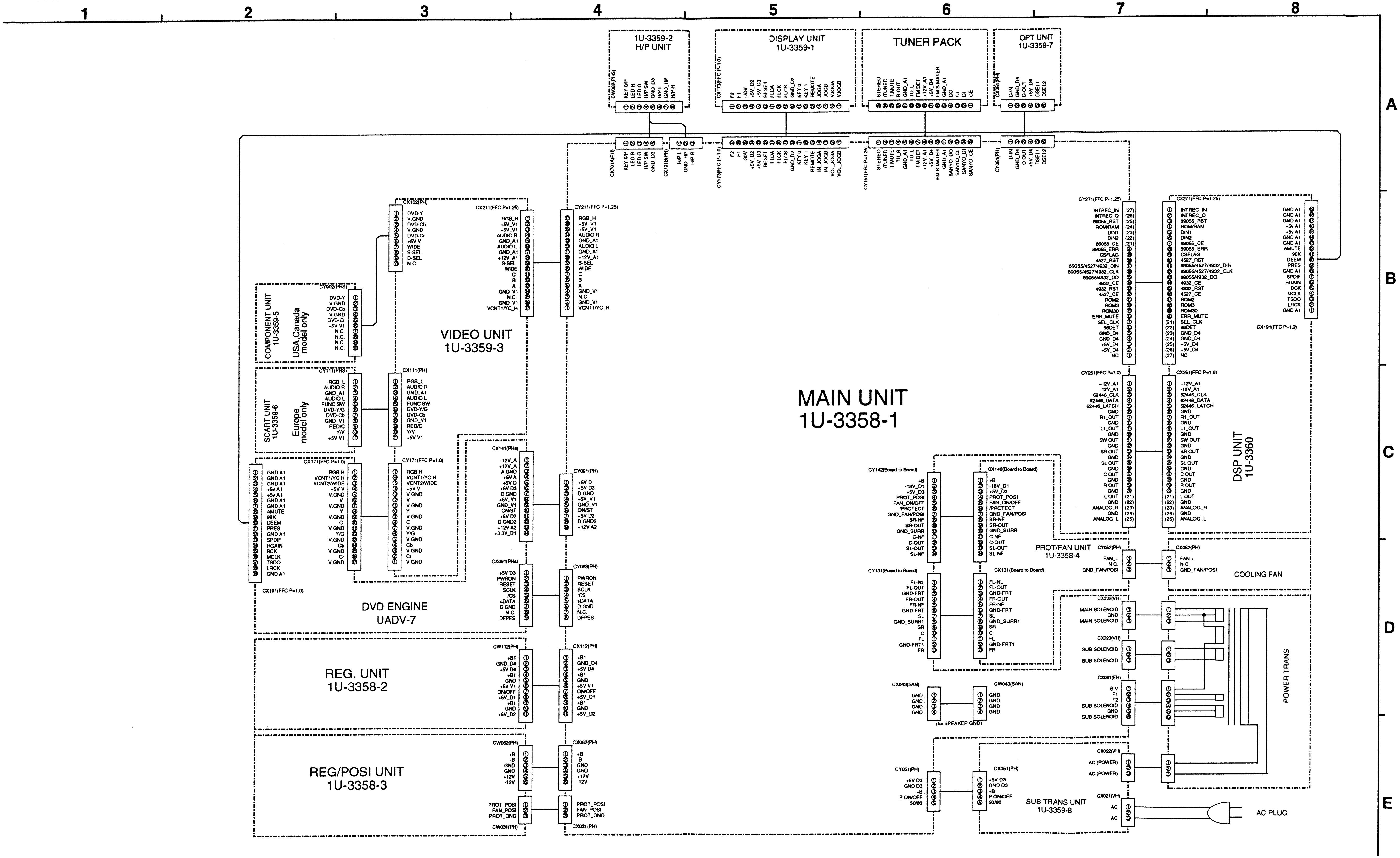


PARTS LIST OF PACKING & ACCESSORIES

Note: The symbols in the column "Remarks" indicate the following destinations.
E3: U.S.A./Canada model
E2: Europe model

Ref. No.	Part No.	Part Name	Remarks	Q'ty
201	505 8092 010	Laminate envelope		1
202	503 1388 107	Cushion		2
203	501 2138 101	Carton case	for E2	1
203	501 2138 127	Carton case	for E3	1
204	503 1409 002	Sub cushion		1
206	505 0038 030	Poly. cover		1
207	511 3774 008	Instruction manual	for E2	1
207	511 3775 007	Instruction manual	for E3	1
208	515 0867 101	S.S. list (EX)		1
209	511 3842 008	Inst. Sheet		1
210	231 0922 009	Loop antenna		1
211	395 0026 005	FM antenna wire		1
212	529 0079 008	FM antenna adapter		1
213	399 0746 002	Remote controller RC-901	for E2	1
213	399 0747 001	Remote controller RC-902	for E3	1
214	—	Battery (R06x2)		1
215	203 0380 002	1P pin cord (video)		1
★ 216	515 0690 404	DEL warranty home		1
★ 217	517 1437 015	E2 POS label	for E2	1
★ 217	517 1433 064	UPC label	for E3	1

WIRING DIAGRAM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A
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1U-3359-2
H/P UNIT
CW082(PH)
DISPLAY UNIT
1U-3359-1
CX172(FFC P=1.0)
TUNER PACK
OPT UNIT
1U-3359-7
CX051(PH)
CX701A(PH)
CX701B(PH)
CY173(FFC P=1.0)
CY151(FFC P=1.25)
CY051(PH)
CX102(PH)
CX211(FFC P=1.25)
CY211(FFC P=1.25)
VIDEO UNIT
1U-3359-3
COMPONENT UNIT
1U-3359-5
USA,Canada
model only
CY902(PH)
SCART UNIT
1U-3359-6
Europe
model only
CY111(PH)
CX111(PH)
CX171(FFC P=1.0)
CY171(FFC P=1.0)
CX191(FFC P=1.0)
CX141(PH)
CY091(PH)
CX091(PH)
CY083(PH)
DVD ENGINE
UADV-7
MAIN UNIT
1U-3358-1
CY271(FFC P=1.25)
CX271(FFC P=1.25)
CX191(FFC P=1.0)
CY251(FFC P=1.0)
CX251(FFC P=1.0)
DSP UNIT
1U-3360
CY142(Board to Board)
CX142(Board to Board)
PROT/FAN UNIT
1U-3358-4
CY052(PH)
CX052(PH)
COOLING FAN
CY131(Board to Board)
CX131(Board to Board)
CX032(VH)
MAIN SOLENOID
SUB SOLENOID
CX023(VH)
CX061(EH)
POWER TRANS
CX043(SAN)
CW043(SAN)
(for SPEAKER GND)
CW112(PH)
CX112(PH)
REG. UNIT
1U-3358-2
CW062(PH)
CX062(PH)
REG/POSI UNIT
1U-3358-3
CW031(PH)
CX031(PH)
CX022(VH)
AC (POWER)
CY051(PH)
CX051(PH)
SUB TRANS UNIT
1U-3359-8
CX021(VH)
AC
AC PLUG

MEASURING METHOD AND WAVEFORMS

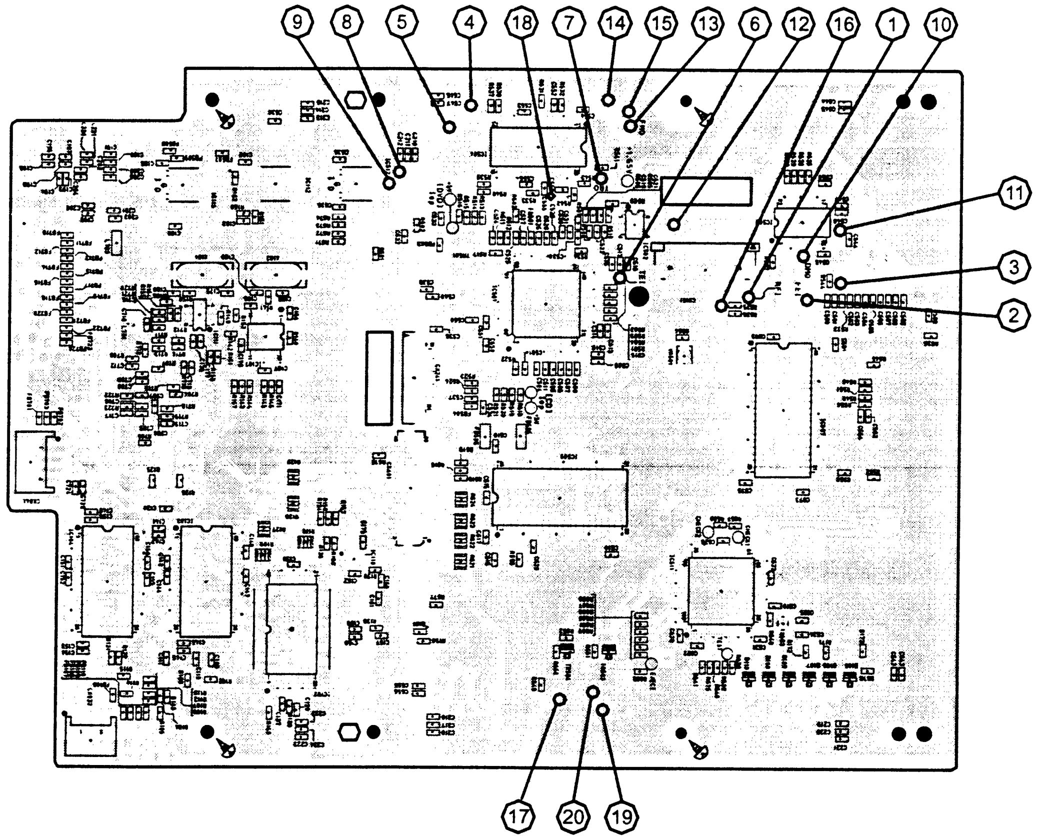
To check the waveforms on the Servo P.W.B., the GND (−) probe of the oscilloscope to "Vref" point.
(Except for Inner SW, TRVSW)

NOTES

Measuring Disc: DVD/DVDT-S01
CD/TCD-784

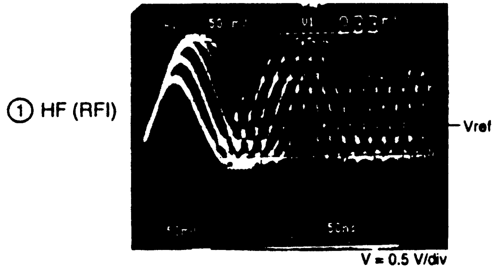
(It is better to use wires for extending between the probe and test points.)

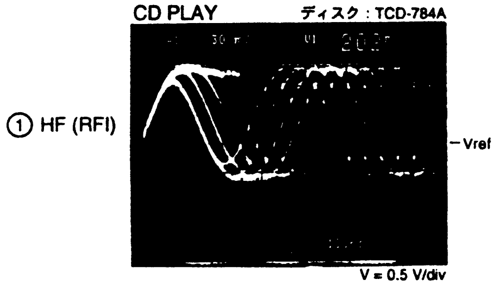
- When watching the HF waveform, use the extending wire as short as possible.
- When HF waveform is noisy or cannot discriminate the eye-pattern, replace the Traverse Unit after measuring the Iop.
- ① ~ ⑳ points have the certain test points shown below.

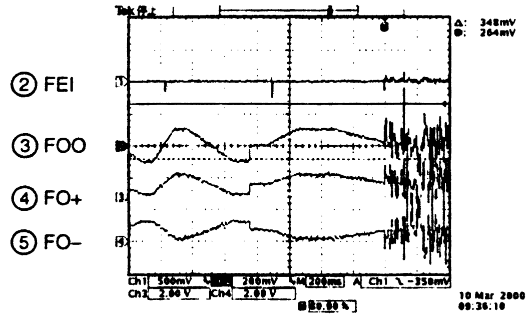


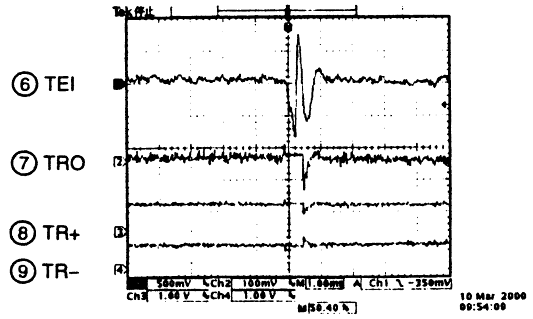
DVD Main P.W.B. Unit foil side

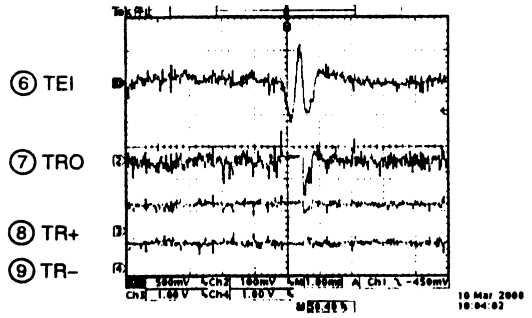
WAVE FORMS

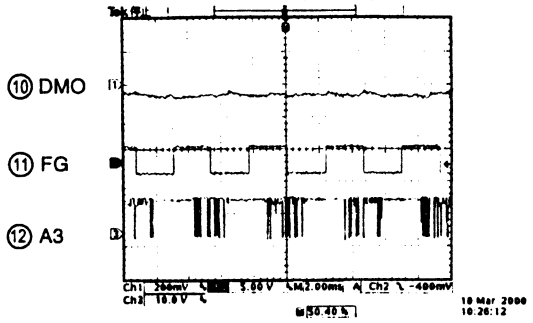

DVD PLAY ディスク : DVDT-S01

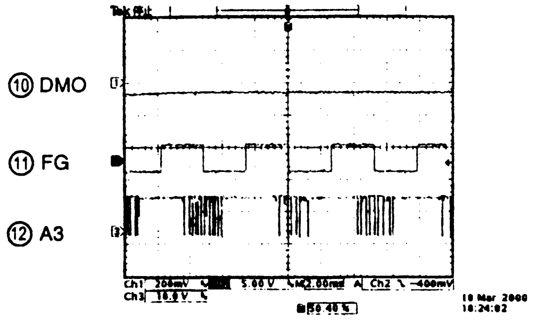

CD PLAY ディスク : TCD-784A

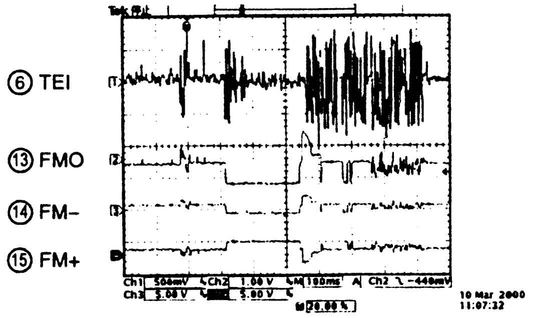

(DVD/CD) LOADING → PLAY

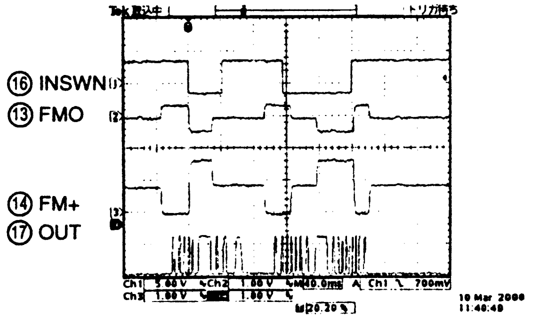

DVD PLAY

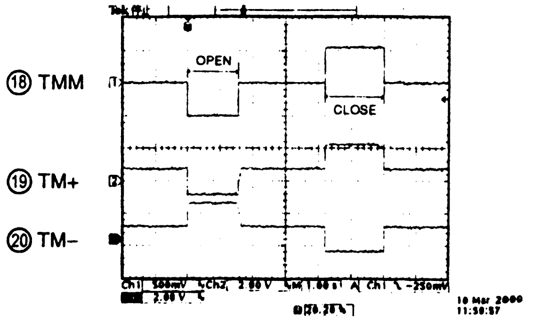

CD PLAY


DVD PLAY (INNER)

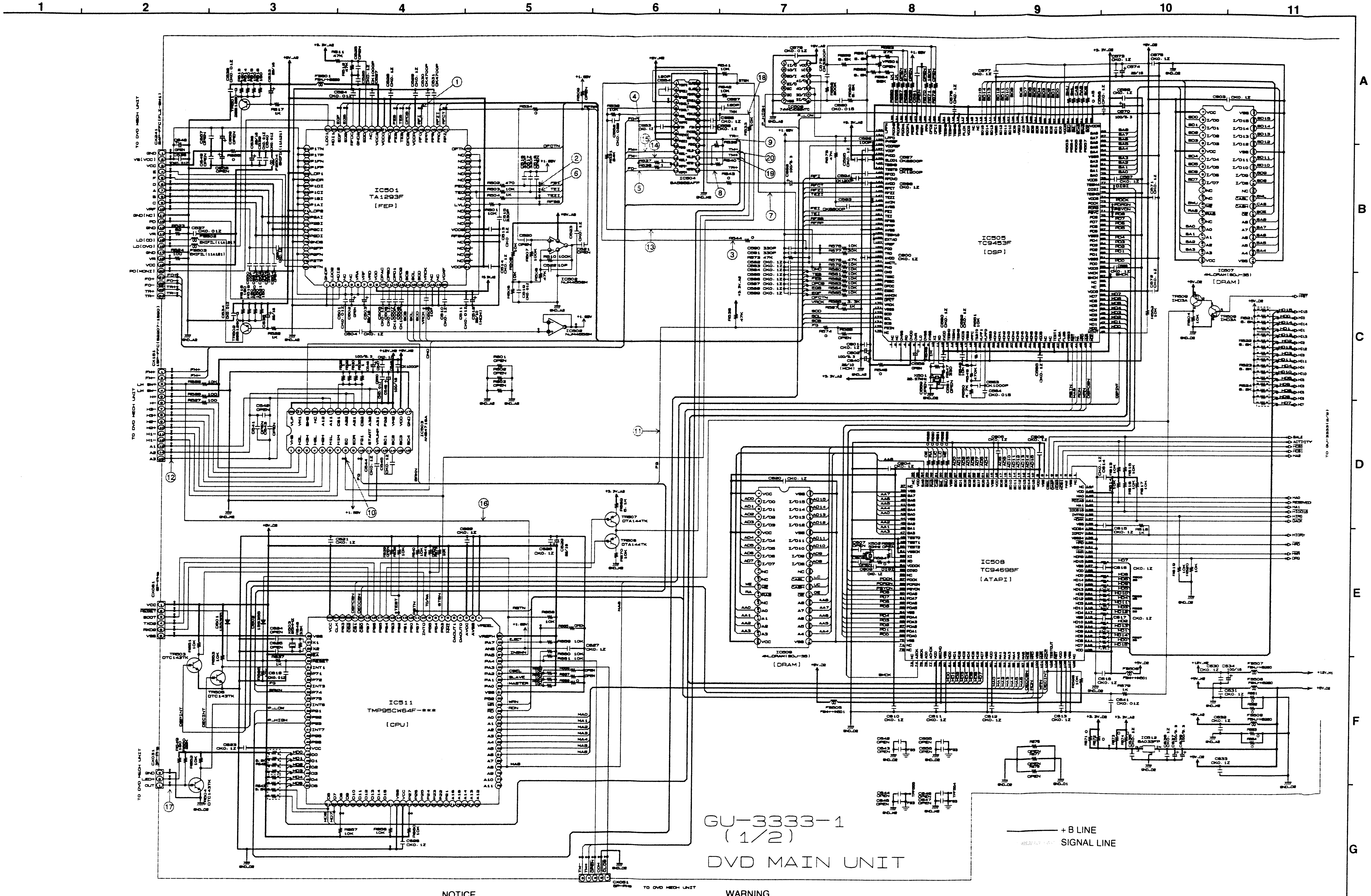

CD PLAY (INNER)


SERCH TO OUTER CHAPTER
(INNER → OUTER)


POWER ON (INNER SWITCH ON)


LOADER OPEN → CLOSE

SCHEMATIC DIAGRAMS(1/8)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IC501
TA1293F
[FEP]
IC502
NJM4558M
IC503
AN8471SA
IC504
BA6898AFP
IC505
TC9453F
[DSP]
IC507
4M,DRAM(SOJ-36)
[DRAM]
IC508
TC94698F
[ATAPI]
IC509
4M,DRAM(SOJ-36)
[DRAM]
IC511
TMP95CW64F-***
[CPU]
TO DVD MECH UNIT
TO DVD MECH UNIT
TO DVD MECH UNIT
GU-3333-1
(1/2)
DVD MAIN UNIT
+B LINE
SIGNAL LINE

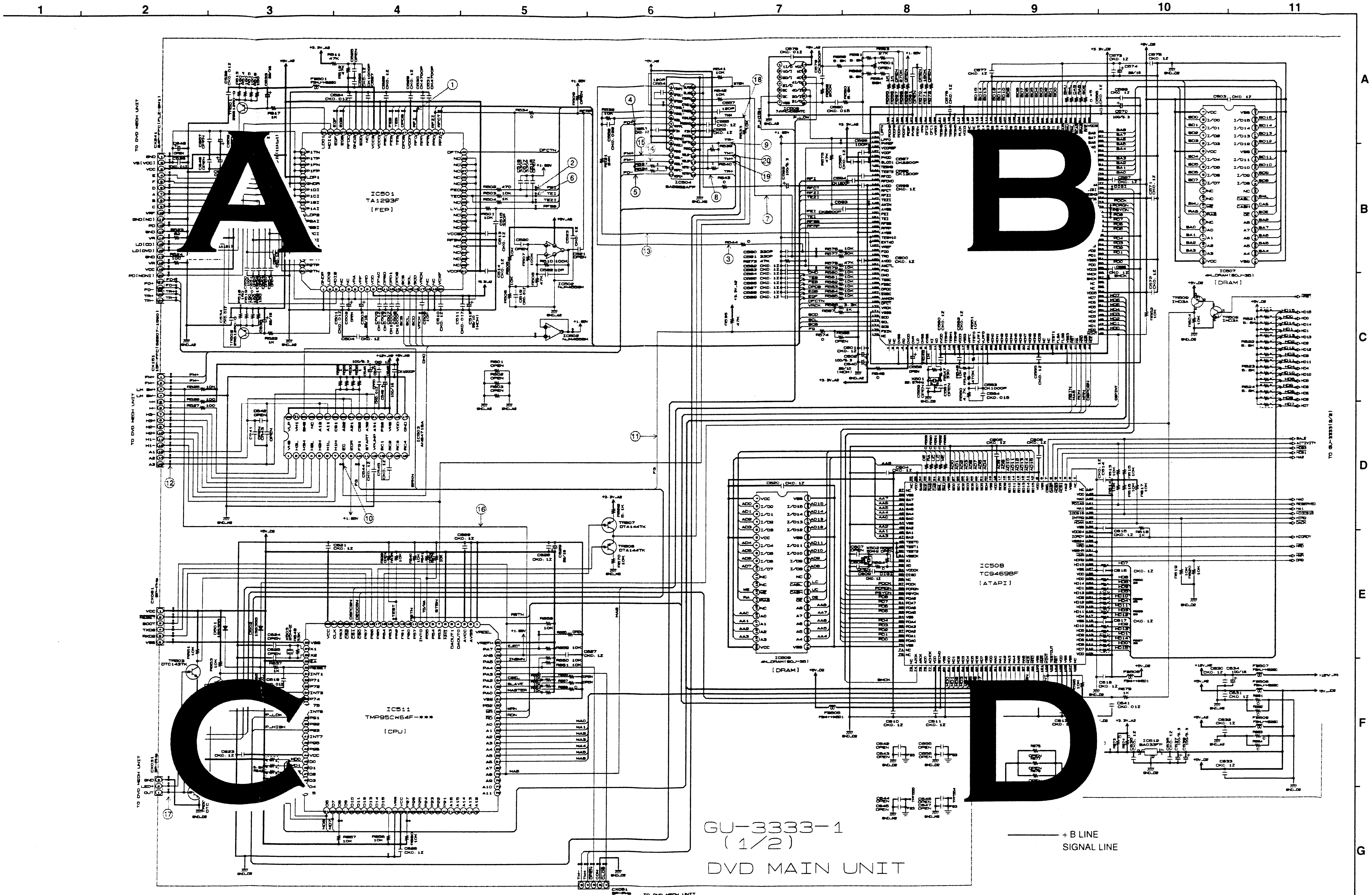
NOTICE
ALL RESISTANCE VALUES IN OHM. k=1,000 OHM M=1,000,000 OHM
ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD
EACH VOLTAGE AND CURRENT ARE MEASUERD AT MO SIGNAL INPUT CONDITION.
CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

WARNING
Parts marked with this symbol ⚠☐ have critical characteristics.
Use ONLY replacement parts recommended by the manufacture.

CAUTION:
Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power card is less than 460kohms, the unit is defective.

WARNING
DO NOT return the unit to the customer until the problem is located and corrected.

SCHEMATIC DIAGRAMS(1/8)
GU-3333-1 DVD MAIN UNIT (1/2)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H
IC501
TA1293F
[FEP]
IC507
4M_DRAM(SOJ-36)
[DRAM]
IC508
TC9469BF
[ATAPI]
IC509
4M_DRAM(SOJ-36)
[DRAM]
IC511
TMP95CW64F-***
[CPU]
TR507
DTA144TK
TR506
DTA144TK
TO DVD MECH UNIT
GU-3333-1
(1/2)
DVD MAIN UNIT
+B LINE
SIGNAL LINE

NOTICE
ALL RESISTANCE VALUES IN OHM. k=1,000 OHM M=1,000,000 OHM
ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD
EACH VOLTAGE AND CURRENT ARE MEASUERD AT MO SIGNAL INPUT CONDITION.
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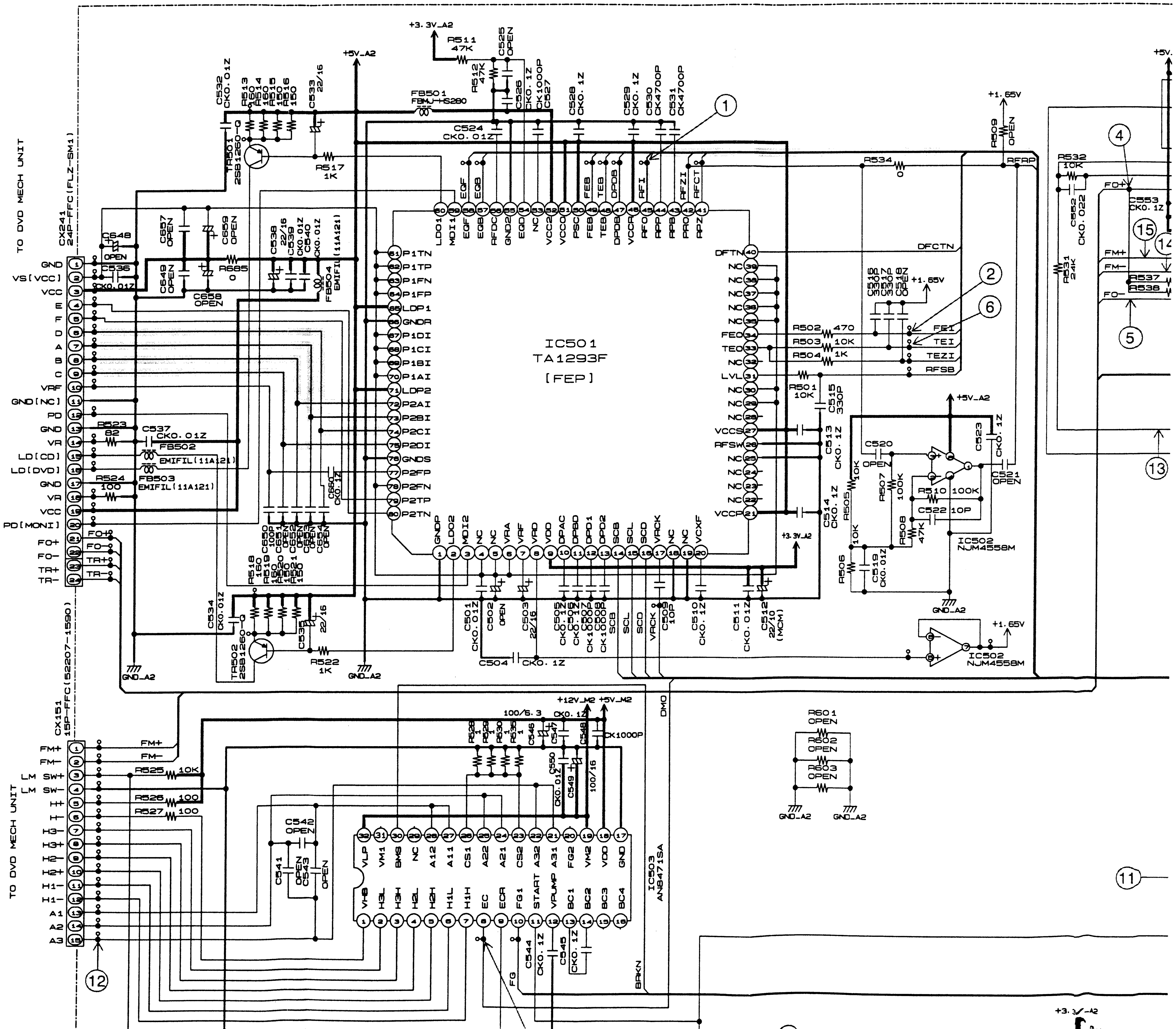
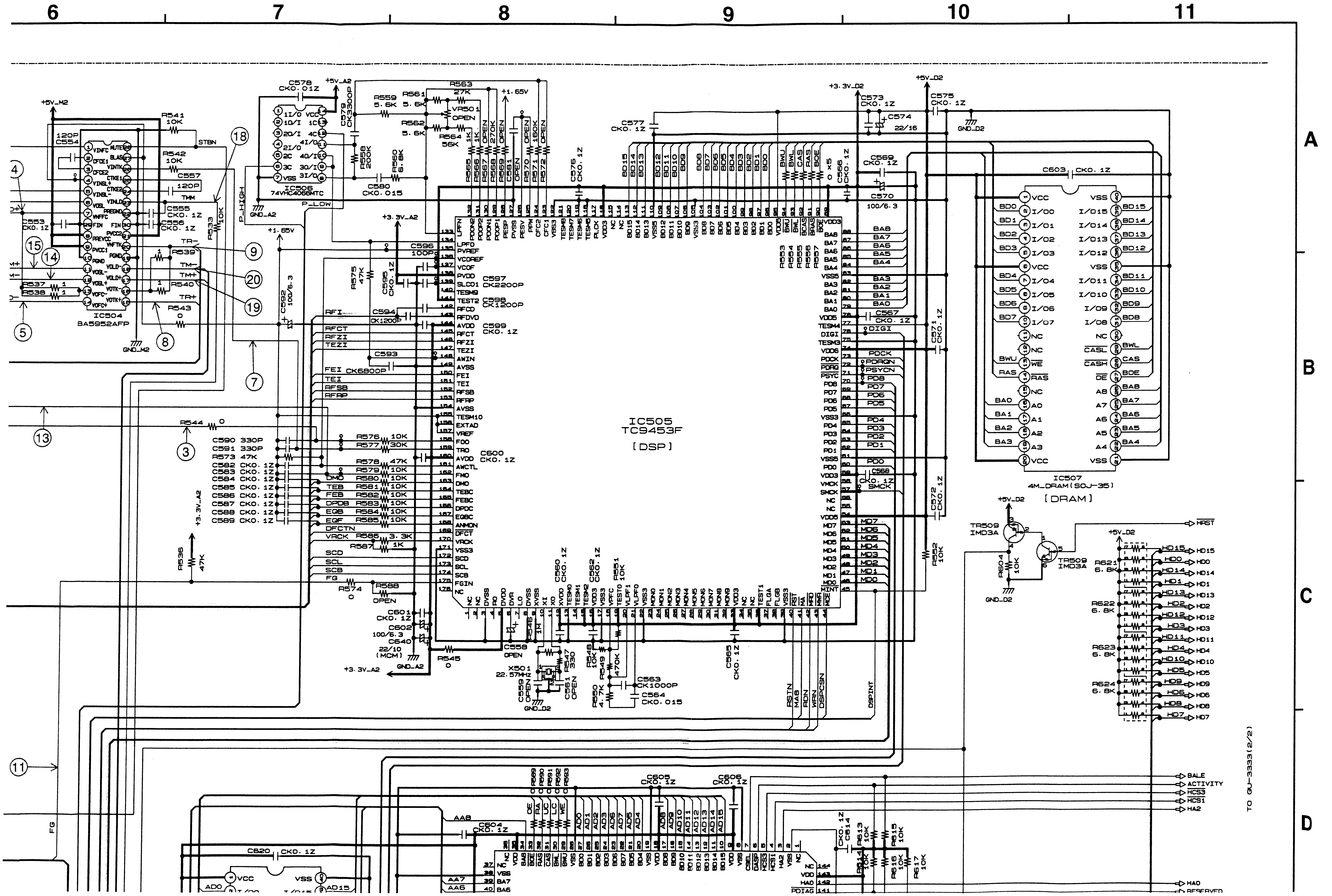
DO NOT return the unit to the customer until the problem is located and corrected.

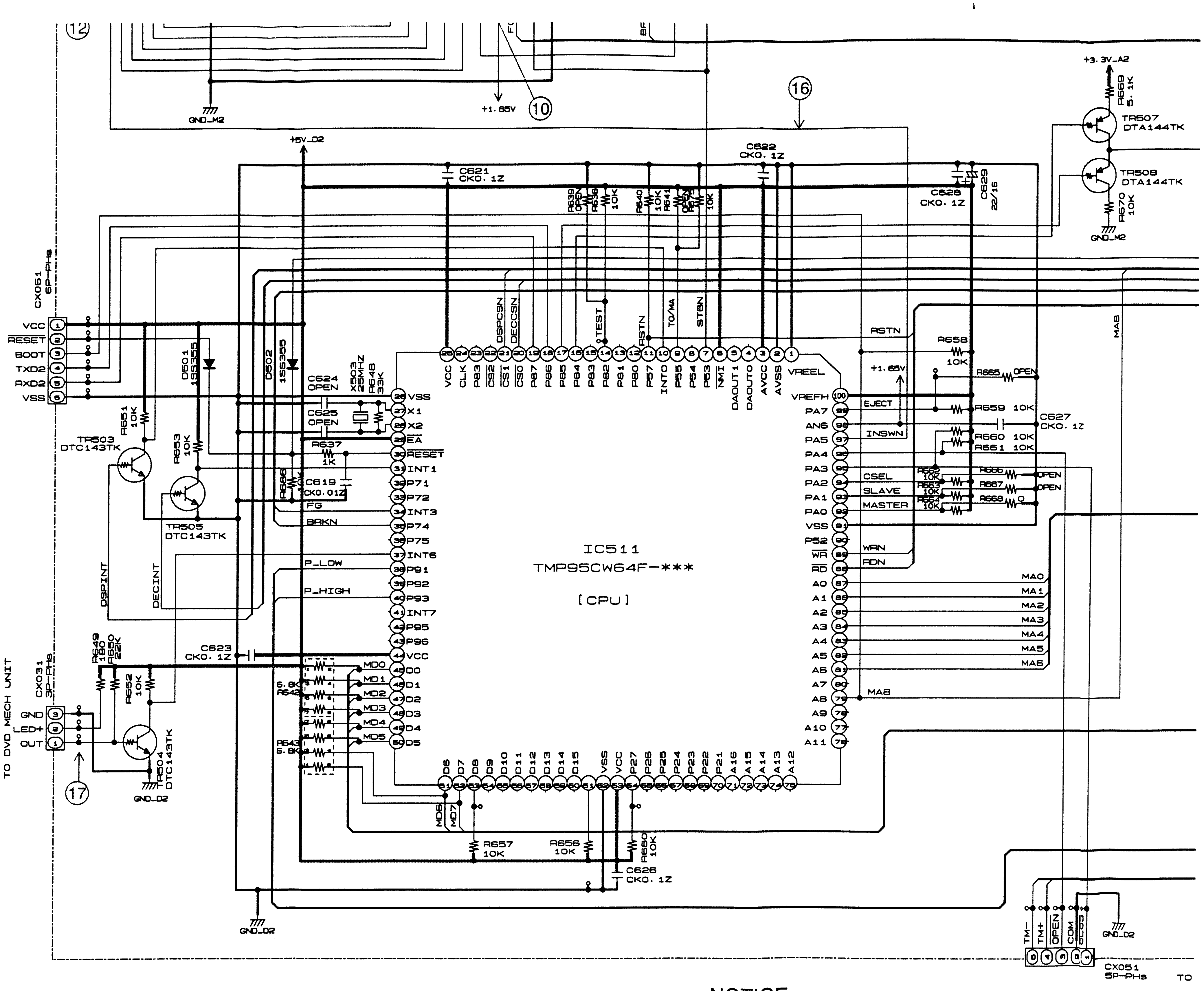
SCHEMATIC DIAGRAMS(1/8)
GU-3333-1 DVD MAIN UNIT (1/2)

SCHEMATIC DIAGRAMS(1/8)

1 2 3 4 5 6


TO DVD MECH UNIT
CX241
24P-FFC(FLZ-SM1)
GND
VS(VCC)
VCC
E
F
D
A
B
C
VRF
GND(NC)
PD
GND
VR
LD(CD)
LD(DVD)
GND
VR
VCC
PD(MONI)
FO+
FO−
TR+
TR−
C648
OPEN
C536
CK0.01Z
C657
OPEN
C659
OPEN
C649
OPEN
C658
OPEN
R685
0
C532
CK0.01Z
R513 160
R514 150
R515 150
R516 150
C533
22/16
TR501
2SB1260-Q
R517
1K
+5V_A2
+3.3V_A2
R511
47K
R512
47K
C525
OPEN
C526
CK0.1Z
C527
CK1000P
FB501
FBMJ-HS280
C524
CK0.01Z
C528
CK0.1Z
C529
CK0.1Z
C530
CK4700P
C531
CK4700P
C538
22/16
C539
CK0.01Z
C540
CK0.01Z
FB504
EMIFIL(11A121)
R523
82
C537
CK0.01Z
FB502
EMIFIL(11A121)
FB503
EMIFIL(11A121)
R524
100
C660
CK0.1Z
C650
100P
C651
OPEN
C652
OPEN
C653
OPEN
C654
OPEN
R518
160
R519
150
R520
150
R521
150
C534
CK0.01Z
TR502
2SB1260-Q
C535
22/16
R522
1K
GND_A2
IC501
TA1293F
[FEP]
P1TN
P1TP
P1FN
P1FP
LDP1
GNDR
P1DI
P1CI
P1BI
P1AI
LDP2
P2AI
P2BI
P2CI
P2DI
GNDS
P2FP
P2FN
P2TP
P2TN
LDO1
MDI1
EQF
EQB
RFDC
GND2
EQD
NC
VCC2
VCCO
PSC
FEB
TEB
DPDB
VCCR
RFO
RPP
RPB
PRO
RPZ
RFZI
RFCT
DFTN
NC
FEO
TEO
LVL
VCCS
RFSW
VCCP
GNDP
LDO2
MDI2
VRA
VRF
VRD
VDD
DPAC
DPBD
DPD1
DPD2
SCB
SCL
SCD
VRCK
VCXF
C501
CK0.01Z
C502
OPEN
C503
22/16
C505
CK0.01Z
C506
CK0.01Z
C507
CK1000P
C508
CK1000P
C504
CK0.1Z
C509
10P
C510
CK0.1Z
C511
CK0.01Z
C512
22/10
(MCM)
+3.3V_A2
R534
0
R509
OPEN
+1.65V
RFRP
DFCTN
C516
330P
C517
330P
C518
OPEN
R502 470
R503 10K
R504 1K
FEI
TEI
TEZI
RFSB
R501
10K
C515
330P
C513
CK0.1Z
C514
CK0.1Z
+5V_A2
C520
OPEN
C523
CK0.1Z
C521
OPEN
R505
10K
R507
100K
R510 100K
C522 10P
R506
10K
C519
CK0.01Z
R508
47K
IC502
NJM4558M
R532
10K
C552
CK0.022
C553
CK0.1Z
R531
24K
FO+
FM+
FM−
FO−
R537
R538
TO DVD MECH UNIT
CX151
15P-FFC(52207-1590)
FM+
FM−
LM SW+
LM SW−
H+
H−
H3−
H3+
H2−
H2+
H1−
H1−
A1
A2
A3
R525 10K
R526 100
R527 100
C542
OPEN
C541
OPEN
C543
OPEN
+12V_M2
+5V_M2
100/6.3
CK0.1Z
R528 1
R529 1
R530 1
R535 1
C546
C547
C548
CK1000P
C550
CK0.01Z
C549
100/16
DMO
IC503
AN8471SA
VLP
VM1
BMS
NC
A12
A11
CS1
A22
A21
CS2
A32
A31
FG2
VM2
VDD
GND
VHB
H3L
H3H
H2L
H2H
H1L
H1H
EC
ECR
FG1
START
VPUMP
BC1
BC2
BC3
BC4
C544
CK0.1Z
C545
CK0.1Z
FG
BRKN
R601
OPEN
R602
OPEN
R603
OPEN
GND_A2
+3.3V_A2
①
②
④
⑤
⑥
⑪
⑫
⑬
⑭
⑮


6
7
8
9
10
11
A
B
C
D
IC505
TC9453F
[DSP]
IC507
4M_DRAM(SOJ-35)
[DRAM]
IC504
BA5952AFP
IC506
74VHC4066MTC
X501
22.57MHz
TR509
IMD3A
+5V_M2
+5V_A2
+3.3V_A2
+3.3V_D2
+5V_D2
+1.65V
GND_A2
GND_M2
GND_D2
P_HIGH
P_LOW
STBN
TO GU-3333(2/2)
HRST
HD15
HD0
HD14
HD1
HD13
HD2
HD12
HD3
HD11
HD4
HD10
HD5
HD9
HD6
HD8
HD7
BALE
ACTIVITY
HCS3
HCS1
HA2
HA0
RESERVED
RSTN
MA8
RDN
WRN
DSPCSN
DSPINT
FG



(12)
(10)
(16)
(17)
GND_M2
+1.65V
+5V_D2
+3.3V_A2
R669 5.1K
TR507 DTA144TK
TR508 DTA144TK
R670 10K
C621 CK0.1Z
C622 CK0.1Z
C628 CK0.1Z
C629 22/16
R639 OPEN
R638 10K
R640 10K
R641
10K
CX061 6P-PHs
VCC
RESET
BOOT
TXD2
RXD2
VSS
D501 1SS355
D502 1SS355
C624 OPEN
C625 OPEN
X503 25MHZ
R648 33K
R637 1K
R651 10K
R653 10K
R686
C619 CK0.01Z
TR503 DTC143TK
TR505 DTC143TK
FG
BRKN
P_LOW
P_HIGH
DSPINT
DECINT
DSPCSN
DECCSN
TEST
RSTN
TO/MA
STBN
IC511
TMP95CW64F-***
[CPU]
VREEL
VREFH
VSS
X1
X2
EA
RESET
INT1
P71
P72
INT3
P74
P75
INT6
P91
P92
P93
INT7
P95
P96
VCC
D0
D1
D2
D3
D4
D5
CLK
P83
CS2
CS1
CS0
P87
P86
P85
P84
P82
P81
P80
P57
INT0
P55
P54
P53
NMI
DAOUT1
DAOUT0
AVCC
AVSS
PA7
AN6
PA5
PA4
PA3
PA2
PA1
PA0
P52
WR
RD
A0
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
A11
D6
D7
D8
D9
D10
D11
D12
D13
D14
D15
P27
P26
P25
P24
P23
P22
P21
A16
A15
A14
A13
A12
RSTN
R658 10K
R665 OPEN
EJECT
R659 10K
C627 CK0.1Z
INSWN
R660 10K
R661 10K
CSEL
SLAVE
MASTER
R662 10K
R663 10K
R664 10K
R666
R667
R668 0
OPEN
OPEN
WRN
RDN
MA0
MA1
MA2
MA3
MA4
MA5
MA6
MA8
C623 CK0.1Z
MD0
MD1
MD2
MD3
MD4
MD5
MD6
MD7
R642 6.8K
R643 6.8K
R649 180
R650 22K
R652 10K
TR504 DTC143TK
CX031 3P-PHs
TO DVD MECH UNIT
GND
LED+
OUT
GND_D2
R657 10K
R656 10K
R680 10K
C626 CK0.1Z
TM-
TM+
OPEN
COM
GCOS
CX051 5P-PHs
TO

NOTICE

ALL RESISTANCE VALUES IN OHM. k=1,000 OHM M=1,000,000

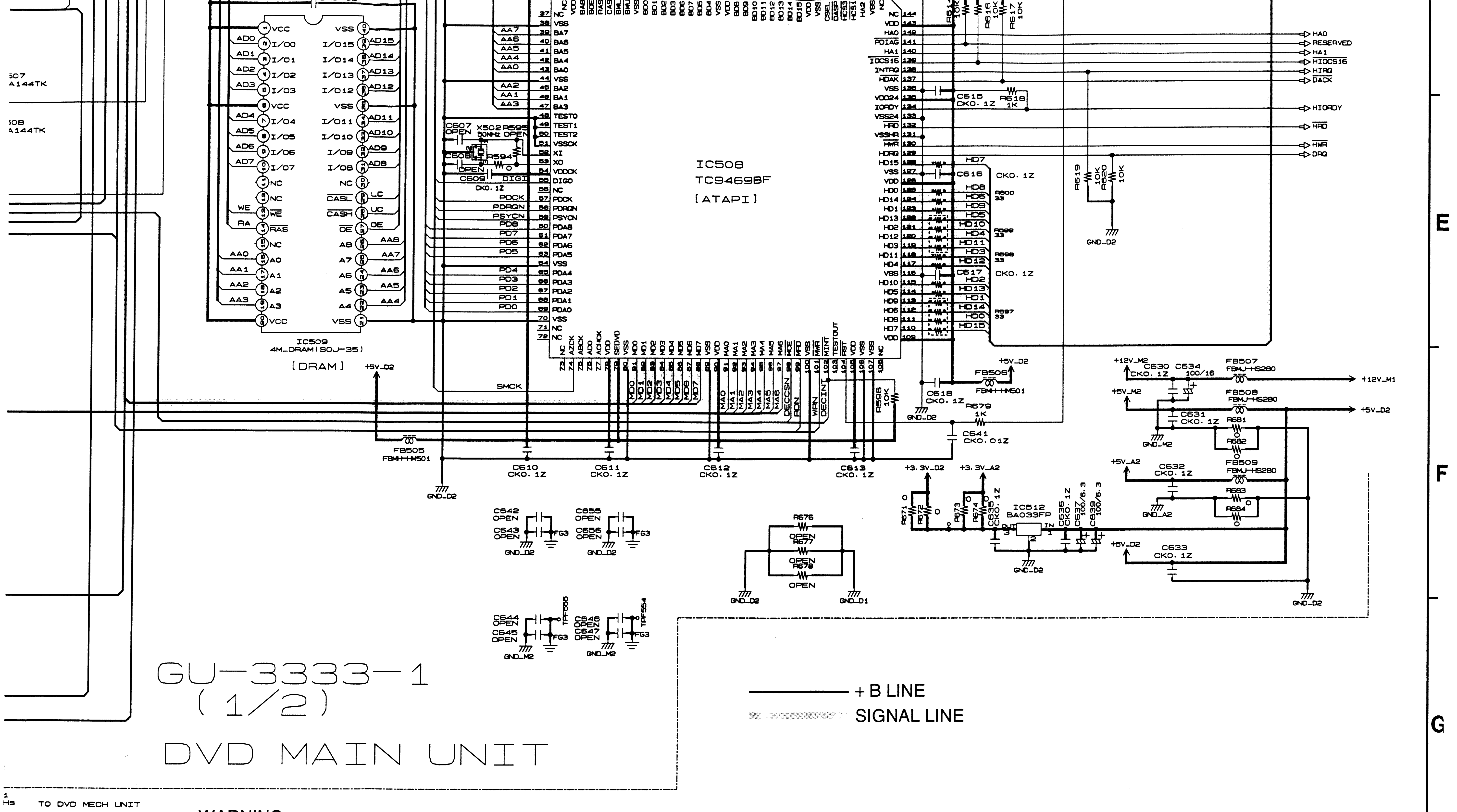
ALL CAPACITANCE VALUES IN MICRO FARAD. P= MICRO-MIC

EACH VOLTAGE AND CURRENT ARE MEASUERD AT MO SIGN

CONDITION.

CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT P

NOTICE.


IC508
TC9469BF
[ATAPI]
IC509
4M_DRAM(SOJ-35)
[DRAM]
IC512
BA033FP
X502 50MHz
FB505 FBMH-HM501
FB506 FBMH-HM501
FB507 FBMJ-HS280
FB508 FBMJ-HS280
FB509 FBMJ-HS280
C610 CK0.1Z
C611 CK0.1Z
C612 CK0.1Z
C613 CK0.1Z
C615 CK0.1Z
C616 CK0.1Z
C617 CK0.1Z
C618 CK0.1Z
C630 CK0.1Z
C634 100/16
C631 CK0.1Z
C632 CK0.1Z
C633 CK0.1Z
C641 CK0.01Z
R596 10K
R618 1K
R619 10K
R620 10K
R679 1K
R676
R677 OPEN
R678 OPEN
HA0
RESERVED
HA1
HIOCS16
HIRQ
DACK
HIORDY
HRD
HWR
DRQ
+12V_M1
+5V_D2
+12V_M2
+5V_M2
+5V_A2
+3.3V_D2
+3.3V_A2
GND_D2
GND_D1
GND_M2
GND_A2
SMCK
FG3
507
A144TK
508
A144TK
GU-3333-1
(1/2)
DVD MAIN UNIT
1
HS
TO DVD MECH UNIT
E
F
G
H

——— + B LINE

░░░ SIGNAL LINE

000,000 OHM
RO-MICRO FARAD
IO SIGNAL INPUT

HOUT PRIOR

WARNING

Parts marked with this symbol ⚠☐ have critical characteristics.
Use ONLY replacement parts recommended by the manufacture.

CAUTION:

Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power card is less than 460kohms, the unit is defective.

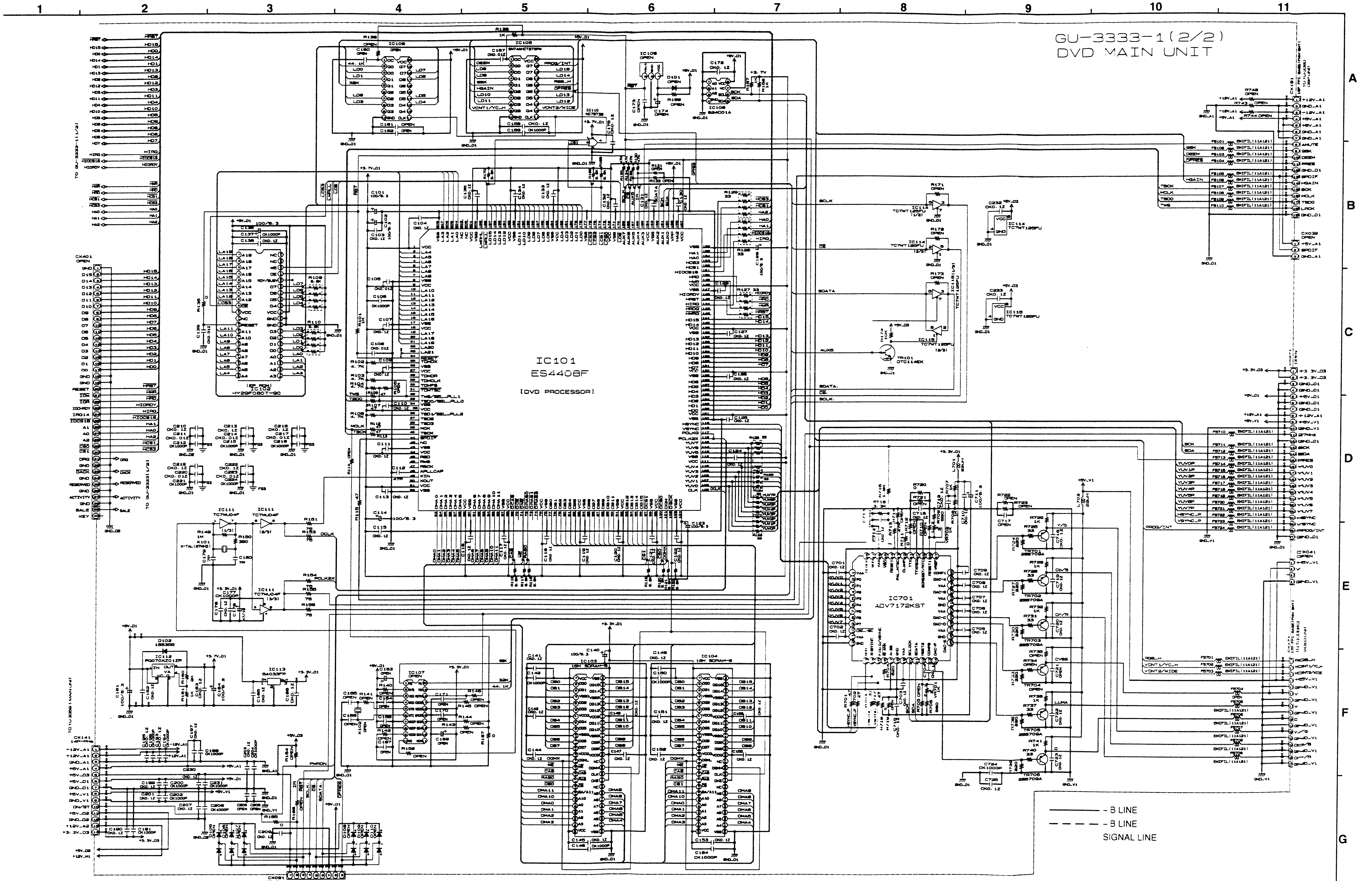
WARNING

DO NOT return the unit to the customer until the problem is located and corrected.

SCHEMATIC DIAGRAMS(1/8)

GU-3333-1 DVD MAIN UNIT (1/2)

SCHEMATIC DIAGRAMS(2/8)


1
2
3
4
5
6
7
8
9
10
11
A
B
C
D
E
F
G
H
GU-3333-1(2/2)
DVD MAIN UNIT
IC101
ES4408F
[DVD PROCESSOR]
IC102
HY29F080T-90
IC701
ADV7172KST
IC103
16M SDRAM-8
IC104
16M SDRAM-8
IC105
SN74AHCT573PW
IC106
IC107
IC112
PQ070XZ01ZP
IC113
BA033FP
TO GU-3333-1(1/2)
TO GU-3333(1/2)
TO 1U-3333-1 MAIN UNIT
——— -B LINE
– – – -B LINE
SIGNAL LINE

NOTICE

ALL RESISTANCE VALUES IN OHM. k=1,000 OHM M=1,000,000 OHM
ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD
EACH VOLTAGE AND CURRENT ARE MEASUERD AT MO SIGNAL INPUT CONDITION.
CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

WARNING

Parts marked with this symbol ⚠☐ have critical characteristics.
Use ONLY replacement parts recommended by the manufacture.

CAUTION:

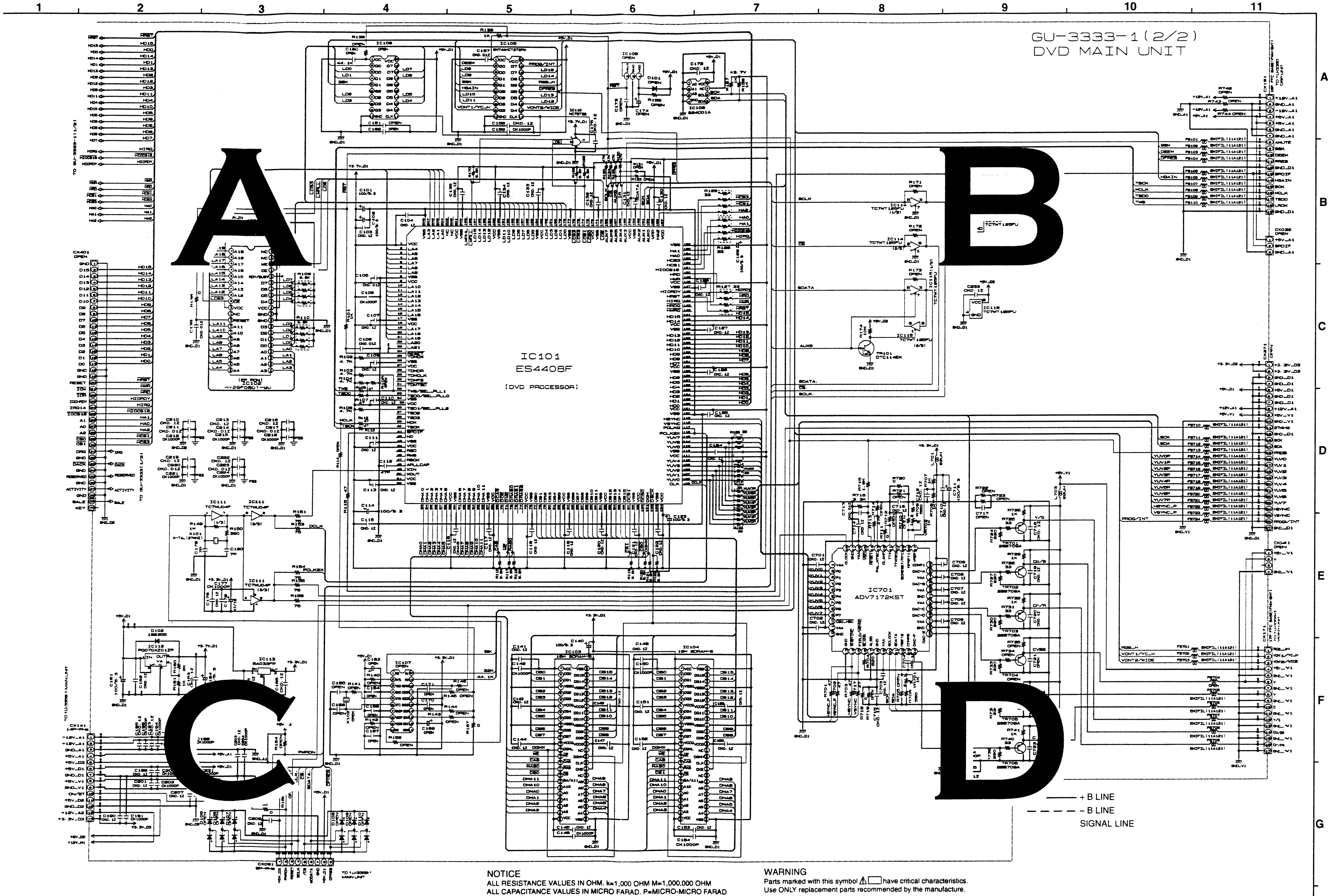
Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power card is less than 460kohms, the unit is defective.

WARNING

DO NOT return the unit to the customer until the problem is located and corrected.

SCHEMATIC DIAGRAMS(2/8)
GU-3333-1 DVD MAIN UNIT (2/2)

SCHEMATIC DIAGRAMS(2/8)


GU-3333-1 (2/2)
DVD MAIN UNIT
A
B
C
D
IC101
ES4408F
(DVD PROCESSOR)
IC701
ADV7172KST
IC102
IC103
IC104
IC105
IC106
IC107
IC108
IC111
IC112
IC113
IC114
IC115
CX401
CX141
CX091
CX181
CX271
CX041
CX171
+ B LINE
- B LINE
SIGNAL LINE

NOTICE
ALL RESISTANCE VALUES IN OHM. k=1,000 OHM M=1,000,000 OHM
ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD
EACH VOLTAGE AND CURRENT ARE MEASUERD AT MO SIGNAL INPUT CONDITION.
CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

WARNING
Parts marked with this symbol ⚠☐ have critical characteristics.
Use ONLY replacement parts recommended by the manufacture.

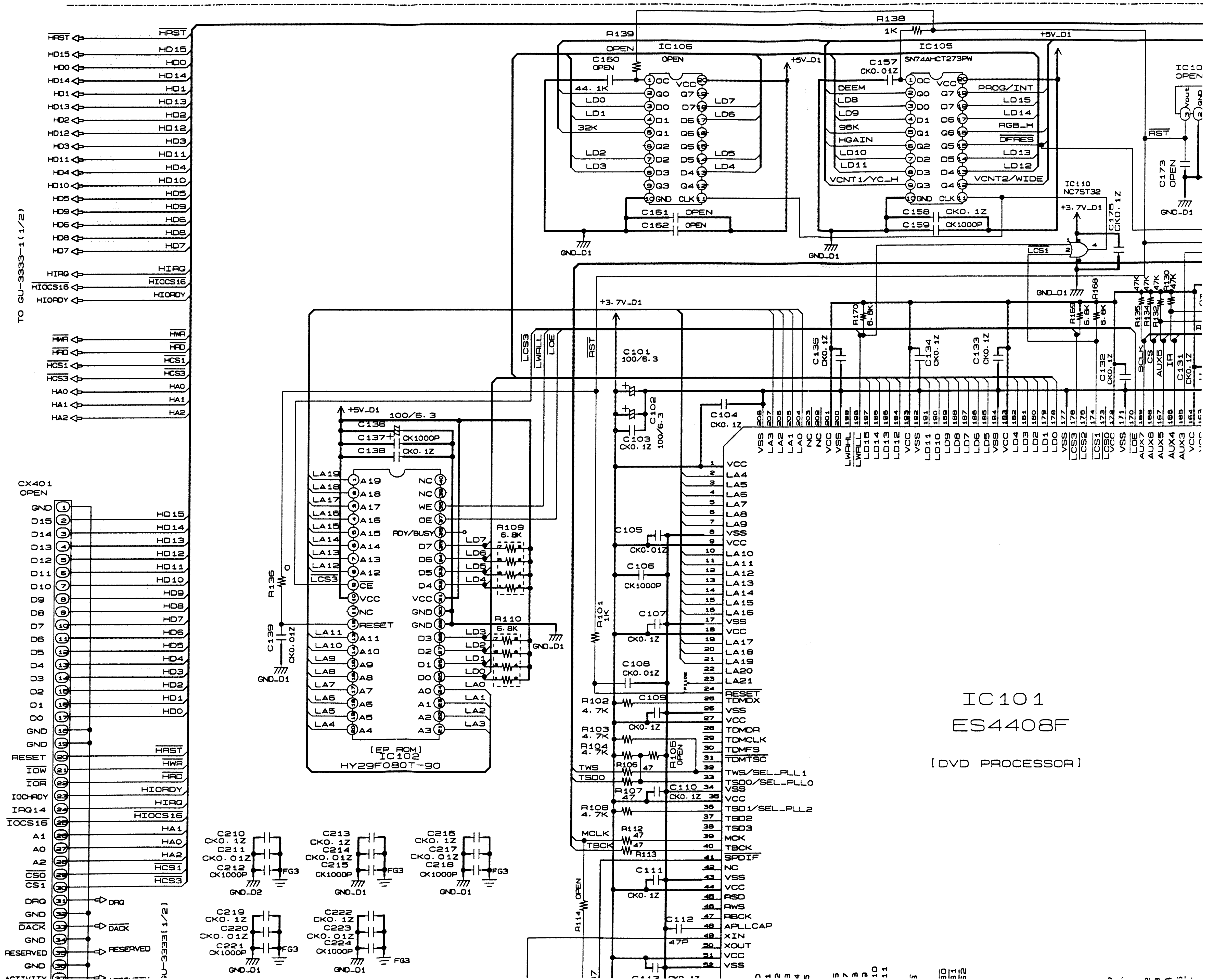
CAUTION:
Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power card is less than 460kohms, the unit is defective.

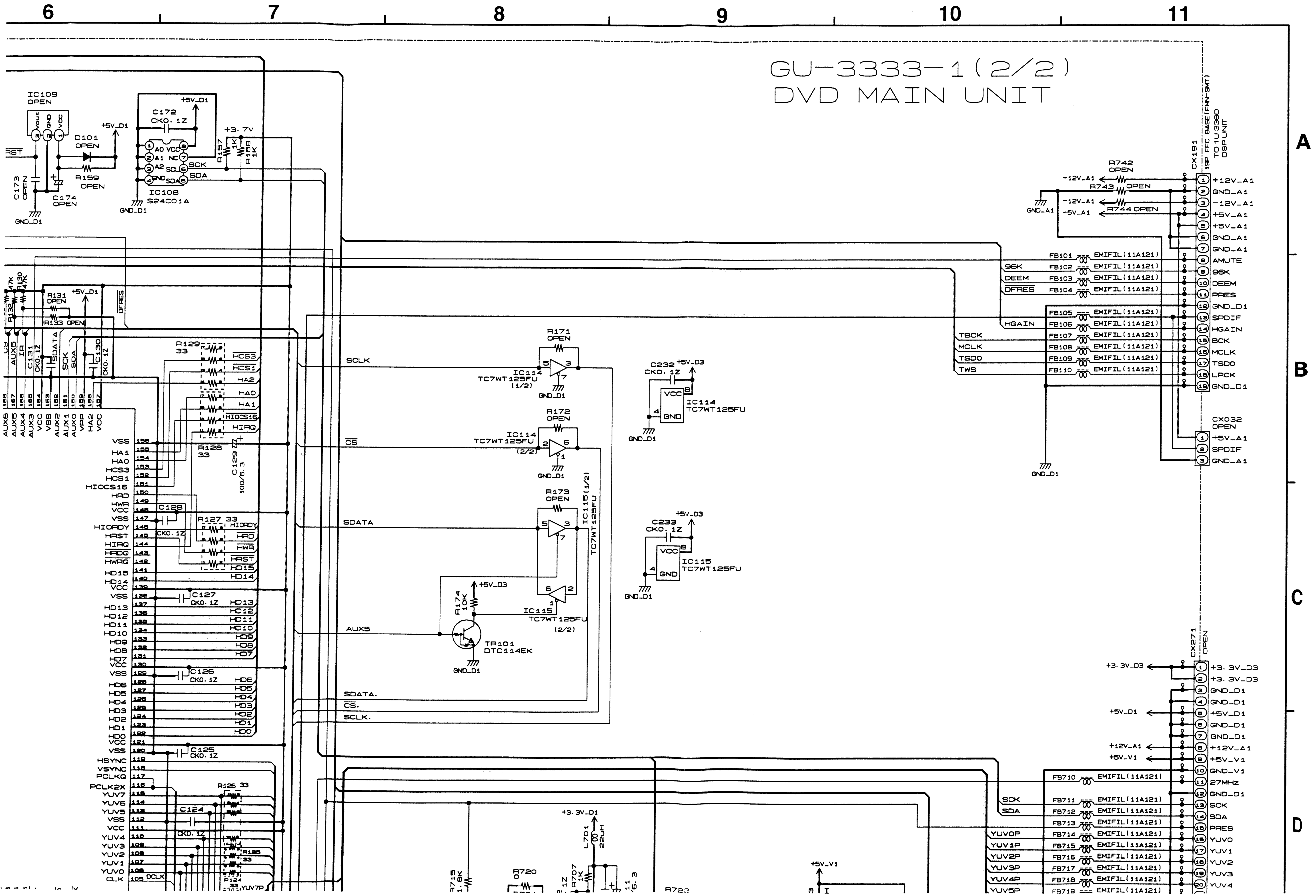
WARNING
DO NOT return the unit to the customer until the problem is located and corrected.

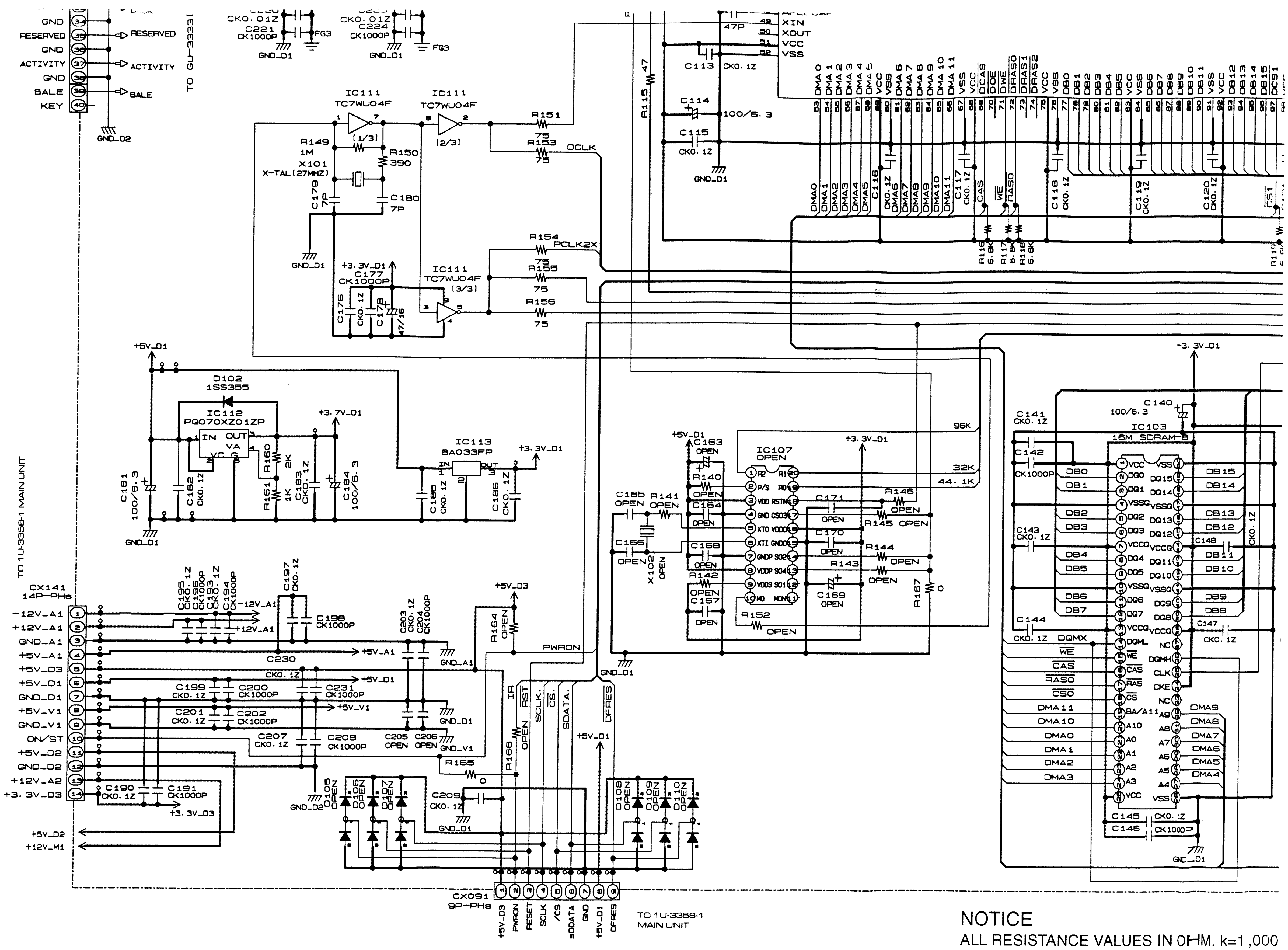
SCHEMATIC DIAGRAMS(2/8)
GU-3333-1 DVD MAIN UNIT (2/2)

SCHEMATIC DIAGRAMS(2/8)

1 2 3 4 5 6

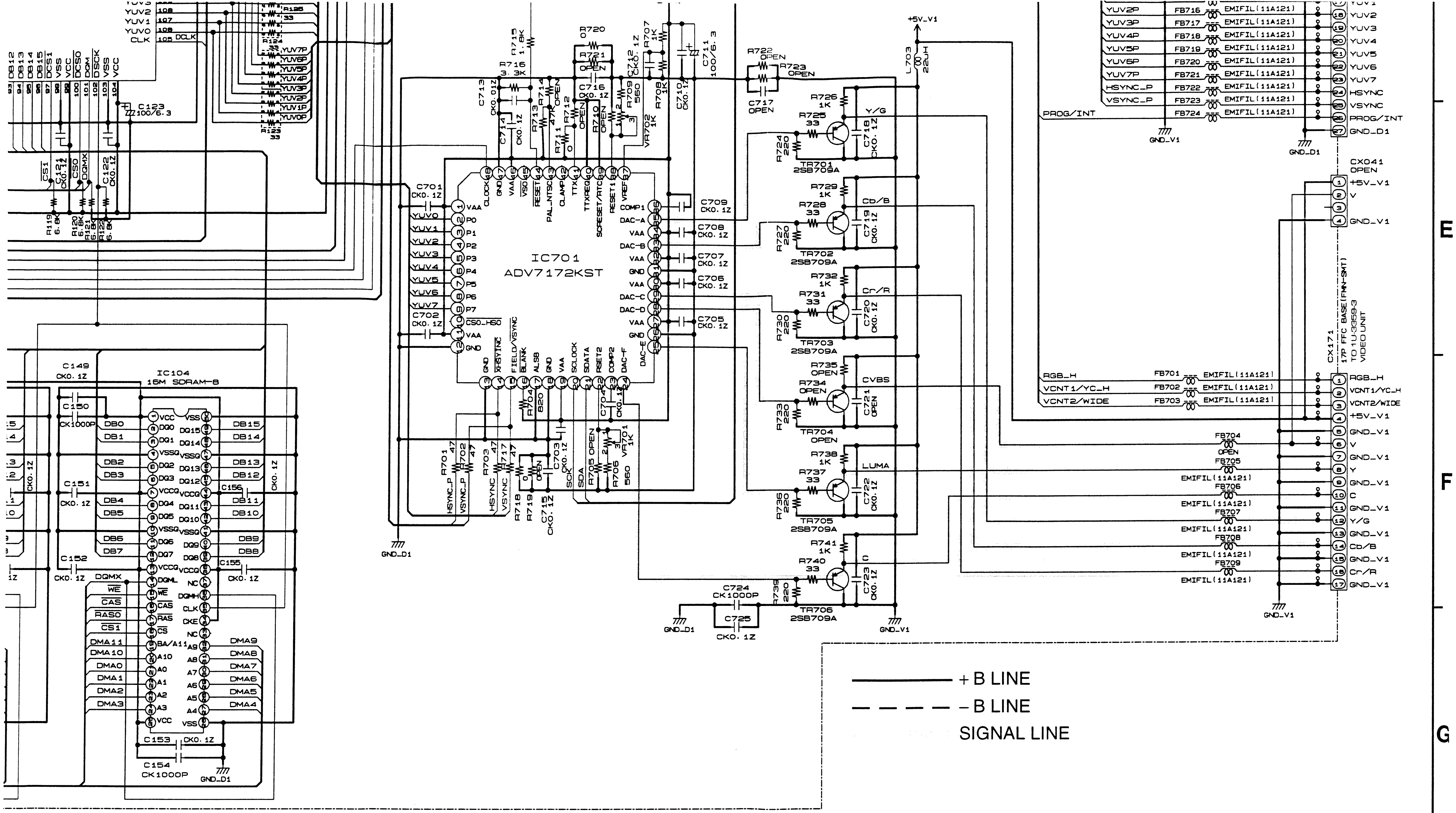

IC101
ES4408F
[DVD PROCESSOR]
[EP ROM]
IC102
HY29F080T-90
IC106
OPEN
IC105
SN74AHCT273PW
IC110
NC7ST32
TO GU-3333-1(1/2)
GU-3333(1/2)
CX401
OPEN
R138
1K
R139
OPEN
C160
OPEN
C157
CK0.01Z
C161
OPEN
C162
OPEN
C158
CK0.1Z
C159
CK1000P
C101
100/6.3
C102
100/6.3
C103
CK0.1Z
C104
CK0.1Z
C105
CK0.01Z
C106
CK1000P
C107
CK0.1Z
C108
CK0.01Z
C109
CK0.1Z
C110
CK0.1Z
C111
CK0.1Z
C112
47P
C131
CK0.1Z
C132
CK0.1Z
C133
CK0.1Z
C134
CK0.1Z
C135
CK0.1Z
C136
100/6.3
C137
CK1000P
C138
CK0.1Z
C139
CK0.01Z
C173
OPEN
C175
CK0.1Z
R101
1K
R102
4.7K
R103
4.7K
R104
4.7K
R105
OPEN
R106
47
R107
47
R108
4.7K
R109
6.8K
R110
6.8K
R112
47
R113
47
R114
OPEN
R130
47K
R132
47K
R134
47K
R135
47K
R136
0
R168
6.8K
R169
6.8K
R170
6.8K
C210
CK0.1Z
C211
CK0.01Z
C212
CK1000P
C213
CK0.1Z
C214
CK0.01Z
C215
CK1000P
C216
CK0.1Z
C217
CK0.01Z
C218
CK1000P
C219
CK0.1Z
C220
CK0.01Z
C221
CK1000P
C222
CK0.1Z
C223
CK0.01Z
C224
CK1000P
FG3
GND_D1
GND_D2
+5V_D1
+3.7V_D1
HRST
HD15
HD0
HD14
HD1
HD13
HD2
HD12
HD3
HD11
HD4
HD10
HD5
HD9
HD6
HD8
HD7
HIRQ
HIOCS16
HIORDY
HWR
HRD
HCS1
HCS3
HA0
HA1
HA2
GND
D15
D14
D13
D12
D11
D10
D9
D8
D7
D6
D5
D4
D3
D2
D1
D0
RESET
IOW
IOR
IOCHRDY
IRQ14
IOCS16
A1
A0
A2
CS0
CS1
DRQ
DACK
RESERVED
ACTIVITY
44.1K
32K
96K
DEEM
HGAIN
VCNT1/YC_H
VCNT2/WIDE
PROG/INT
RGB_H
DFRES
LD0
LD1
LD2
LD3
LD4
LD5
LD6
LD7
LD8
LD9
LD10
LD11
LD12
LD13
LD14
LD15
LCS1
LCS3
LWRLL
LOE
RST
LA0
LA1
LA2
LA3
LA4
LA5
LA6
LA7
LA8
LA9
LA10
LA11
LA12
LA13
LA14
LA15
LA16
LA17
LA18
LA19
A19
A18
A17
A16
A15
A14
A13
A12
CE
VCC
NC
RESET
A11
A10
A9
A8
A7
A6
A5
A4
WE
OE
RDY/BUSY
D7
D6
D5
D4
GND
D3
D2
D1
D0
A3
OC
Q0
Q1
Q2
Q3
Q4
Q5
Q6
Q7
D0
D1
D2
D3
D4
D5
D6
D7
CLK
VCC
LA20
LA21
TDMDX
TDMDR
TDMCLK
TDMFS
TDMTSC
TWS/SEL_PLL1
TSD0/SEL_PLL0
TSD1/SEL_PLL2
TSD2
TSD3
MCK
TBCK
SPDIF
RSD
RWS
RBCK
APLLCAP
XIN
XOUT
VSS
TWS
TSDO
MCLK
TBCK
LWRHL
LWRLL
SCLK
CS
AUX5
IR
AUX7
AUX6
AUX4
AUX3
Vout


GU-3333-1(2/2)
DVD MAIN UNIT
6
7
8
9
10
11
A
B
C
D
IC109 OPEN
Vout GND VCC
D101 OPEN
+5V_D1
R159 OPEN
C173 OPEN
C174 OPEN
GND_D1
C172 CK0.1Z
IC108 S24C01A
A0 A1 A2 GND VCC NC SCL SDA
SCK
SDA
+3.7V
R157 1K
R158 1K
CX191 19P FFC BASE(FMN-SMT) TO 1U-3360 DSP UNIT
R742 OPEN
R743 OPEN
R744 OPEN
+12V_A1
GND_A1
-12V_A1
+5V_A1
+5V_A1
GND_A1
GND_A1
AMUTE
96K
DEEM
PRES
GND_D1
SPDIF
HGAIN
BCK
MCLK
TSDO
LRCK
GND_D1
FB101 EMIFIL(11A121)
FB102 EMIFIL(11A121)
FB103 EMIFIL(11A121)
FB104 EMIFIL(11A121)
FB105 EMIFIL(11A121)
FB106 EMIFIL(11A121)
FB107 EMIFIL(11A121)
FB108 EMIFIL(11A121)
FB109 EMIFIL(11A121)
FB110 EMIFIL(11A121)
DFRES
TBCK
MCLK
TSDO
TWS
CX032 OPEN
+5V_A1
SPDIF
GND_A1
R130 47K
R132 47K
R131 OPEN
R133 OPEN
C131 CK0.1Z
C130 CK0.1Z
AUX6 AUX5 AUX4 AUX3 VCC VSS AUX2 AUX1 AUX0 VPP HA2 VCC
R129 33
HCS3 HCS1 HA2 HA0 HA1 HIOCS16 HIRQ
R128 33
C129 100/6.3
VSS HA1 HA0 HCS3 HCS1 HIOCS16 HRD HWR VCC VSS HIORDY HRST HIRQ HRDQ HWRQ HD15 HD14 VCC VSS HD13 HD12 HD11 HD10 HD9 HD8 HD7 VCC VSS HD6 HD5 HD4 HD3 HD2 HD1 HD0 VCC VSS HSYNC VSYNC PCLKQ PCLK2X YUV7 YUV6 YUV5 VSS VCC YUV4 YUV3 YUV2 YUV1 YUV0 CLK
C128 CK0.1Z
R127 33
C127 CK0.1Z
C126 CK0.1Z
C125 CK0.1Z
C124 CK0.1Z
R126 33
R125 33
R124 33
DCLK
YUV7P
SCLK
CS
SDATA
AUX5
R171 OPEN
R172 OPEN
R173 OPEN
IC114 TC7WT125FU (1/2)
IC114 TC7WT125FU (2/2)
IC115 TC7WT125FU (1/2)
IC115 TC7WT125FU (2/2)
C232 CK0.1Z
C233 CK0.1Z
+5V_D3
IC114 TC7WT125FU
IC115 TC7WT125FU
R174 10K
TR101 DTC114EK
SDATA.
CS.
SCLK.
CX271 OPEN
+3.3V_D3
GND_D1
+5V_D1
+12V_A1
+5V_V1
GND_V1
27MHz
SCK
SDA
PRES
YUV0 YUV1 YUV2 YUV3 YUV4
FB710 EMIFIL(11A121)
FB711 EMIFIL(11A121)
FB712 EMIFIL(11A121)
FB713 EMIFIL(11A121)
FB714 EMIFIL(11A121)
FB715 EMIFIL(11A121)
FB716 EMIFIL(11A121)
FB717 EMIFIL(11A121)
FB718 EMIFIL(11A121)
FB719 EMIFIL(11A121)
YUV0P YUV1P YUV2P YUV3P YUV4P YUV5P
+3.3V_D1
L701 22uH
R715 1.8K
R720
R707 1K
R722


GND
RESERVED
ACTIVITY
BALE
KEY
GND_D2
TO GU-3333
IC111 TC7WU04F
R149 1M
R150 390
X101 X-TAL(27MHZ)
C179 7P
C180 7P
R151 75
R153 75
DCLK
R154 75
PCLK2X
R155 75
R156 75
C176
C177 CK1000P
C178 47/16
+3.3V_D1
GND_D1
R115 47
C113 CK0.1Z
C114 100/6.3
C115 CK0.1Z
XIN
XOUT
VCC
VSS
+5V_D1
D102 1SS355
IC112 PQ070XZ01ZP
+3.7V_D1
IC113 BA033FP
+3.3V_D1
C181 100/6.3
C182 CK0.1Z
R160 2K
R161 1K
C183 CK0.1Z
C184 100/6.3
C185 CK0.1Z
C186 CK0.1Z
TO 1U-3358-1 MAIN UNIT
CX141 14P-PHs
-12V_A1
+12V_A1
GND_A1
+5V_A1
+5V_D3
+5V_D1
GND_D1
+5V_V1
GND_V1
ON/ST
+5V_D2
GND_D2
+12V_A2
+3.3V_D3
+12V_M1
C190 CK0.1Z
C191 CK1000P
C197 CK0.1Z
C198 CK1000P
C199 CK0.1Z
C200 CK1000P
C201 CK0.1Z
C202 CK1000P
C207 CK0.1Z
C208 CK1000P
C230
C231 CK1000P
C205 OPEN
C206 OPEN
R164 OPEN
R165 0
R166 OPEN
PWRON
IR
RST
SCLK
CS
SDATA
DFRES
C209 CK0.1Z
D105 OPEN
D106 OPEN
D107 OPEN
D108 OPEN
D109 OPEN
D110 OPEN
CX091 9P-PHs
+5V_D3
PWRON
RESET
SCLK
/CS
SDDATA
GND
+5V_D1
DFRES
TO 1U-3358-1 MAIN UNIT
IC107 OPEN
C163 OPEN
R140 OPEN
R141 OPEN
C164 OPEN
C165 OPEN
C166 OPEN
X102 OPEN
C168 OPEN
R142 OPEN
C167 OPEN
R152 OPEN
C169 OPEN
C170 OPEN
C171 OPEN
R143 OPEN
R144 OPEN
R145 OPEN
R146 OPEN
R167 0
96K
32K
44.1K
IC103 16M SDRAM-8
C140 100/6.3
C141 CK0.1Z
C142 CK1000P
C143 CK0.1Z
C144 CK0.1Z
C145 CK0.1Z
C146 CK1000P
C147 CK0.1Z
C148 CK0.1Z
DQMX
WE
CAS
RASO
CSO
R116 6.8K
R117 6.8K
R118 6.8K
C116 CK0.1Z
C117 CK0.1Z
C118 CK0.1Z
C119 CK0.1Z
C120 CK0.1Z

NOTICE

ALL RESISTANCE VALUES IN OHM. k=1,000
ALL CAPACITANCE VALUES IN MICRO FAR
EACH VOLTAGE AND CURRENT ARE MEAS
CONDITION.
CIRCUIT AND PARTS ARE SUBJECT TO CH
NOTICE.


IC701
ADV7172KST
IC104
16M SDRAM-8
TR701 2SB709A
TR702 2SB709A
TR703 2SB709A
TR704 OPEN
TR705 2SB709A
TR706 2SB709A
L703 22UH
+5V_V1
CX041 OPEN
CX171 17P FFC BASE(FMN-SMT) TO 1U-3359-3 VIDEO UNIT
Y/G
Cb/B
Cr/R
CVBS
LUMA
C
RGB_H
VCNT1/YC_H
VCNT2/WIDE
HSYNC_P
VSYNC_P
PROG/INT
GND_D1
GND_V1
EMIFIL(11A121)
E
F
G
H

———— + B LINE

— — — — – B LINE

SIGNAL LINE

k=1,000 OHM M=1,000,000 OHM

O FARAD. P=MICRO-MICRO FARAD

MEASUERD AT MO SIGNAL INPUT

TO CHANGE WITHOUT PRIOR

WARNING

Parts marked with this symbol ⚠☐ have critical characteristics.
Use ONLY replacement parts recommended by the manufacture.

CAUTION:

Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power card is less than 460kohms, the unit is defective.

WARNING

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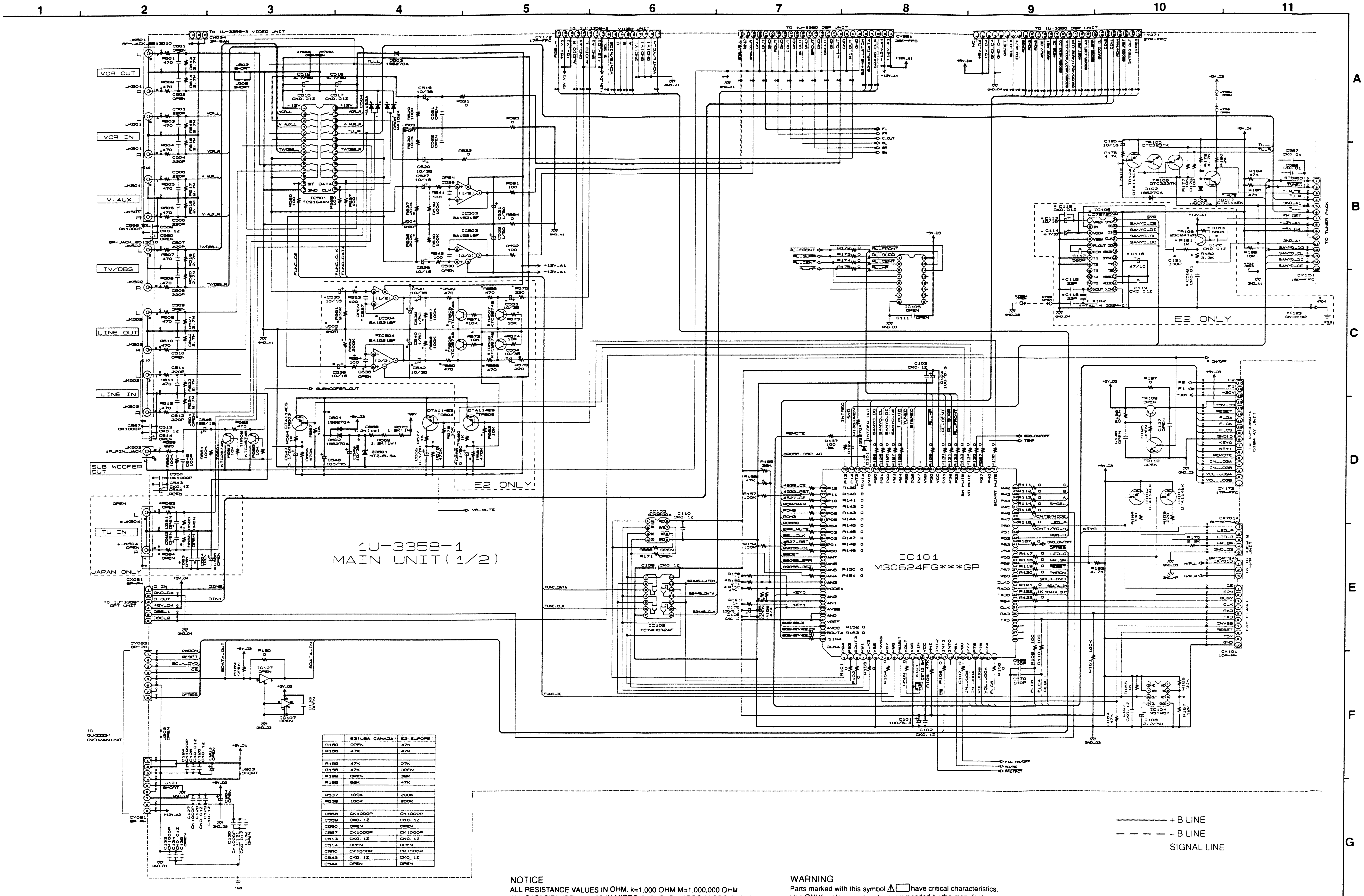
SCHEMATIC DIAGRAMS(2/8)

GU-3333-1 DVD MAIN UNIT (2/2)

SCHEMATIC DIAGRAMS(3/8)


1U-3358-1
MAIN UNIT(1/2)
IC101
M3C624FG***GP
VCR OUT
VCR IN
V. AUX
TV/DBS
LINE OUT
LINE IN
SUB WOOFER OUT
TU IN
JAPAN ONLY
E2 ONLY
E2 ONLY
To 1U-3358-3 VIDEO UNIT
TO 1U-3380 DSP UNIT
TO 1U-3380 DSP UNIT
TO TUNER PACK
To 1U-3358-7 OPT UNIT
TO 0U-3333-1 DVD MAIN UNIT
TO 1U-3358-4 DISPLAY UNIT
TC9164AN
BA15218F
IC102
TC74HC32AF
IC103
IC104
IC107
+B LINE
-B LINE
SIGNAL LINE

	E3(USA. CANADA)	E2(EUROPE)
R160	OPEN	47K
R156	47K	47K
R169	47K	27K
R158	47K	OPEN
R199	OPEN	39K
R198	68K	47K
R537	100K	200K
R538	100K	200K
C558	CK1000P	CK1000P
C559	CK0. 1Z	CK0. 1Z
C560	OPEN	OPEN
C557	CK1000P	CK1000P
C513	CK0. 1Z	CK0. 1Z
C514	OPEN	OPEN
C550	CK1000P	CK1000P
C543	CK0. 1Z	CK0. 1Z
C544	OPEN	OPEN

NOTICE
ALL RESISTANCE VALUES IN OHM. k=1,000 OHM M=1,000,000 OHM
ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD
EACH VOLTAGE AND CURRENT ARE MEASUERD AT MO SIGNAL INPUT CONDITION.
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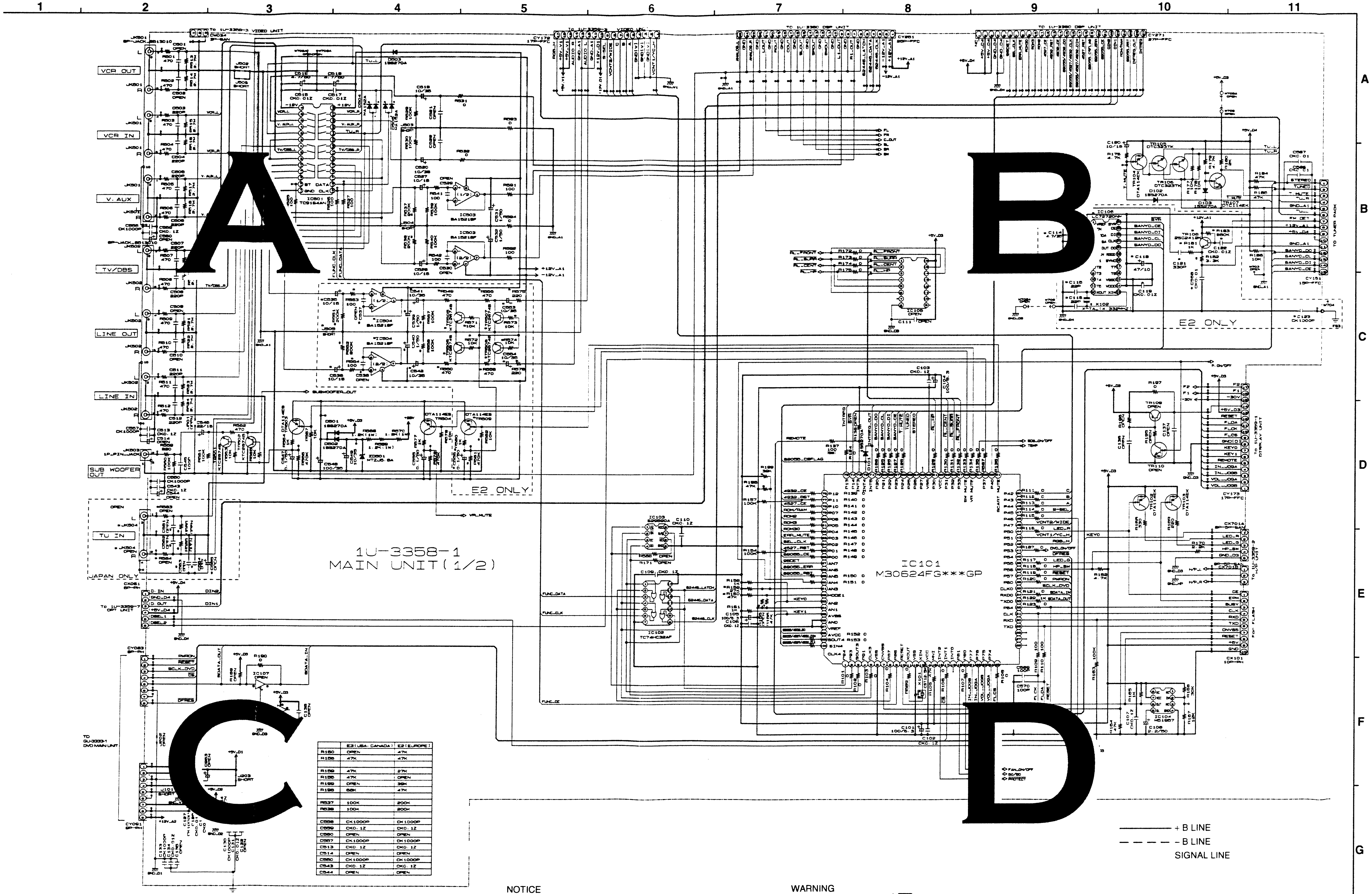
SCHEMATIC DIAGRAMS(3/8)
1U-3358-1 MAIN UNIT (1/2)

SCHEMATIC DIAGRAMS(3/8)


1
2
3
4
5
6
7
8
9
10
11
A
B
C
D
E
F
G
H
VCR OUT
VCR IN
V. AUX
TV/DBS
LINE OUT
LINE IN
SUB WOOFER OUT
TU IN
JAPAN ONLY
E2 ONLY
1U-3358-1
MAIN UNIT(1/2)
IC101
M30624FG***GP
TO TUNER PACK
+ B LINE
– B LINE
SIGNAL LINE

	E3(USA, CANADA)	E2(EUROPE)
R150	OPEN	47K
R156	47K	47K
R159	47K	27K
R155	47K	OPEN
R199	OPEN	39K
R198	68K	47K
R537	100K	200K
R538	100K	200K
C558	CK1000P	CK1000P
C559	CK0. 1Z	CK0. 1Z
C560	OPEN	OPEN
C567	CK1000P	CK1000P
C513	CK0. 1Z	CK0. 1Z
C514	OPEN	OPEN
C550	CK1000P	CK1000P
C543	CK0. 1Z	CK0. 1Z
C544	OPEN	OPEN

NOTICE

ALL RESISTANCE VALUES IN OHM. k=1,000 OHM M=1,000,000 OHM
ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD
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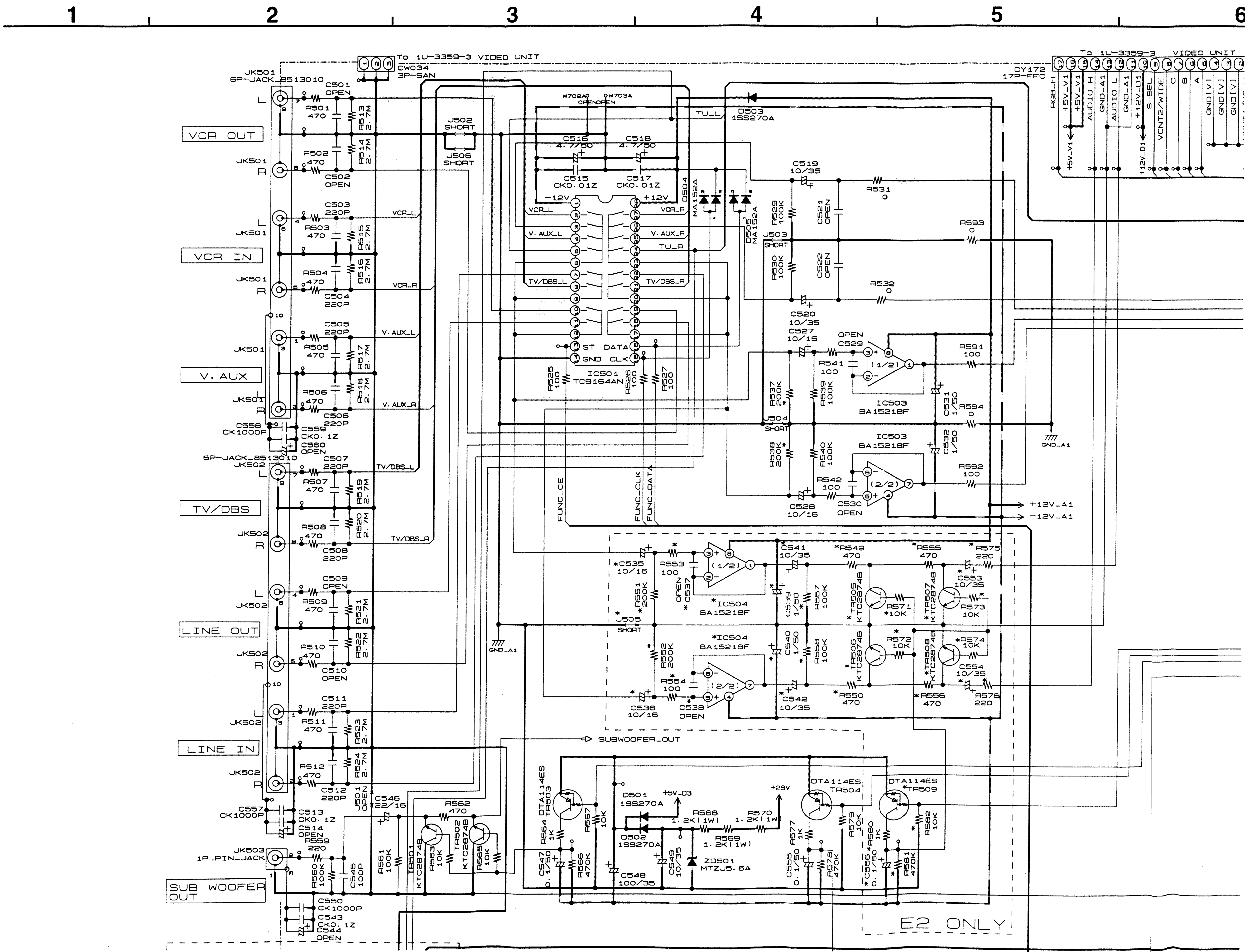
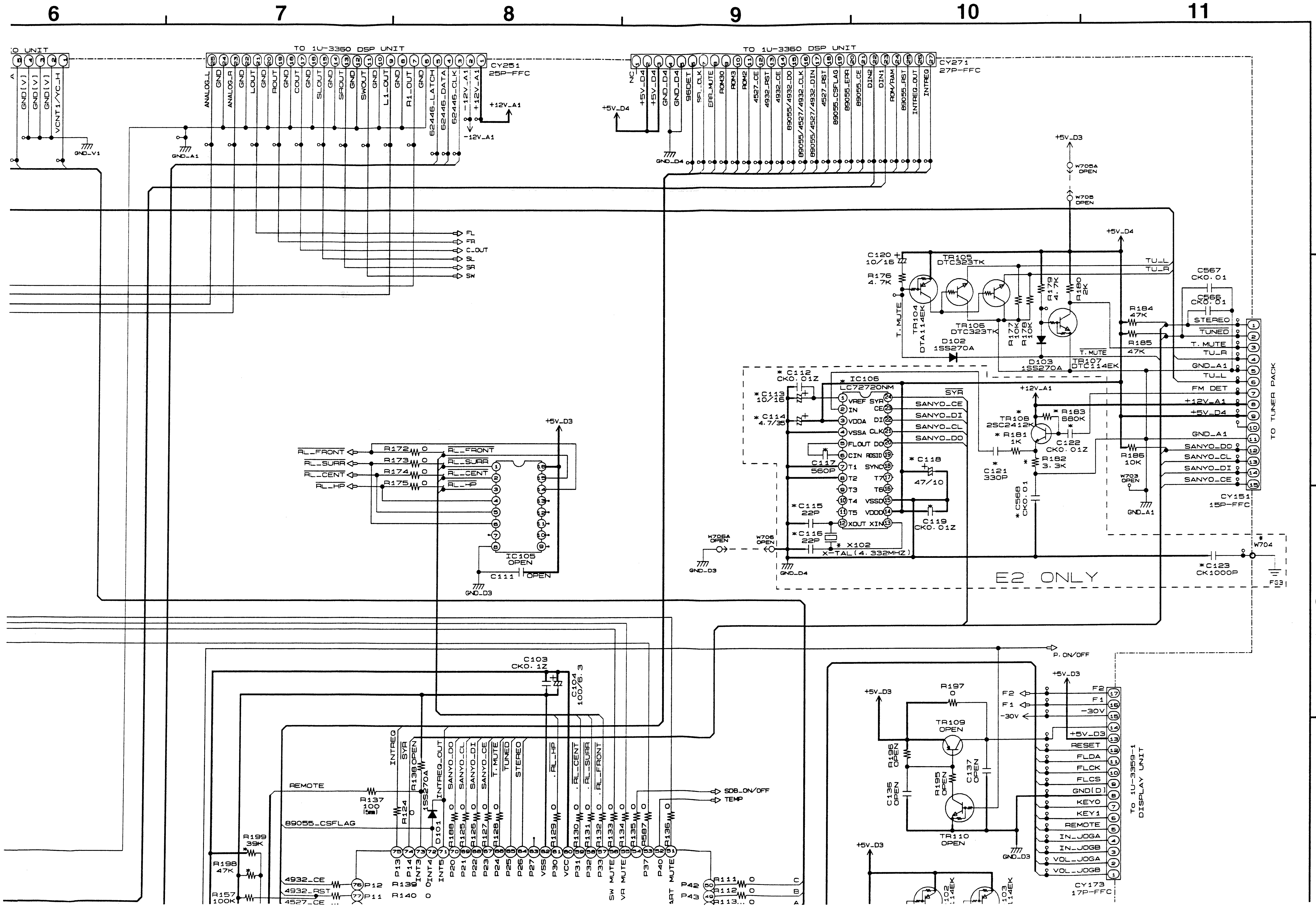
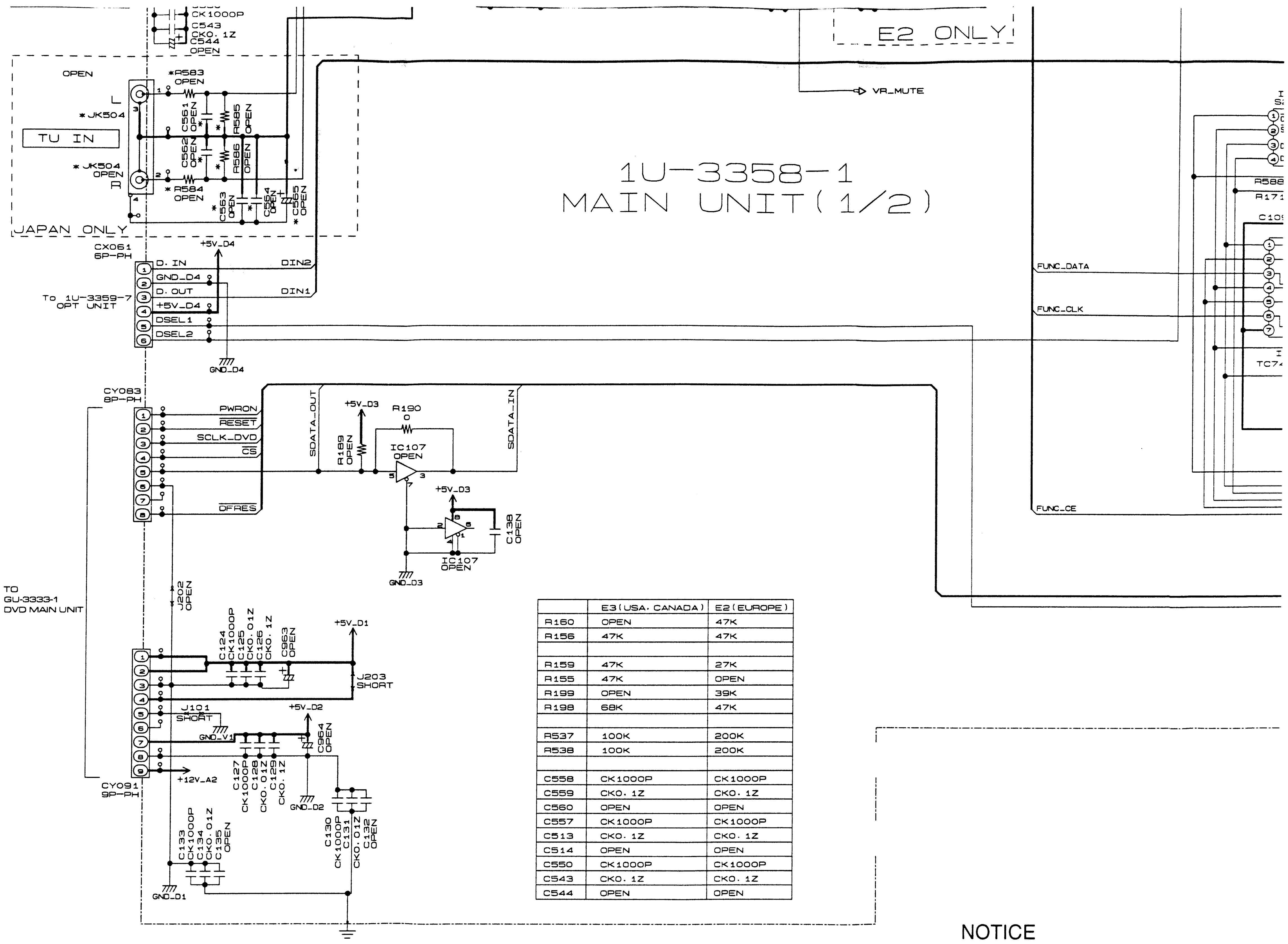
SCHEMATIC DIAGRAMS(3/8)
1U-3358-1 MAIN UNIT (1/2)

SCHEMATIC DIAGRAMS(3/8)


1
2
3
4
5
6
To 1U-3359-3 VIDEO UNIT
CW034
3P-SAN
JK501
6P-JACK_8513010
C501
OPEN
R501
470
R513
2.7M
VCR OUT
R502
470
R514
2.7M
C502
OPEN
J502
SHORT
J506
SHORT
C503
220P
R503
470
R515
2.7M
VCR IN
R504
470
R516
2.7M
C504
220P
VCR_L
VCR_R
C505
220P
R505
470
R517
2.7M
V. AUX
R506
470
R518
2.7M
C506
220P
V. AUX_L
V. AUX_R
C558
CK1000P
C559
CK0.1Z
C560
OPEN
JK502
C507
220P
R507
470
R519
2.7M
TV/DBS
R508
470
R520
2.7M
C508
220P
TV/DBS_L
TV/DBS_R
C509
OPEN
R509
470
R521
2.7M
LINE OUT
R510
470
R522
2.7M
C510
OPEN
C511
220P
R511
470
R523
2.7M
LINE IN
R512
470
R524
2.7M
C512
220P
C557
CK1000P
C513
CK0.1Z
C514
OPEN
J501
OPEN
C546
22/16
R559
220
JK503
1P_PIN_JACK
SUB WOOFER OUT
R560
100K
C545
100P
C550
CK1000P
C543
CK0.1Z
C544
OPEN
R561
100K
TR501
KTC2874B
R562
470
R563
10K
TR502
KTC2874B
R565
10K
GND_A1
W702A
W703A
OPEN
C516
4.7/50
C518
4.7/50
C515
CK0.01Z
C517
CK0.01Z
-12V
+12V
VCR_L
VCR_R
V. AUX_L
V. AUX_R
TU_R
TV/DBS_L
TV/DBS_R
ST
DATA
GND
CLK
IC501
TC9164AN
R525
100
R526
100
R527
100
FUNC_CE
FUNC_CLK
FUNC_DATA
TU_L
D503
1SS270A
D504
MA152A
D505
MA152A
C519
10/35
R531
0
R529
100K
C521
OPEN
J503
SHORT
R530
100K
C522
OPEN
R532
0
C520
10/35
R593
0
C527
10/16
OPEN
C529
R541
100
IC503
BA15218F
(1/2)
(2/2)
R591
100
R537
200K
R539
100K
C531
1/50
R594
0
J504
SHORT
R538
200K
R540
100K
C532
1/50
R542
100
R592
100
C528
10/16
C530
OPEN
+12V_A1
-12V_A1
C535
10/16
R553
100
OPEN
C537
IC504
BA15218F
C541
10/35
R549
470
R555
470
R575
220
C553
10/35
R551
200K
C539
1/50
R557
100K
TR505
KTC2874B
R571
10K
TR507
KTC2874B
R573
10K
J505
SHORT
R552
200K
C540
1/50
R558
100K
TR506
KTC2874B
R572
10K
TR508
KTC2874B
R574
10K
C554
10/35
R554
100
C536
10/16
C538
OPEN
C542
10/35
R550
470
R556
470
R576
220
SUBWOOFER_OUT
DTA114ES
TR503
R564
1K
R567
10K
C547
0.1/50
R566
470K
D501
1SS270A
+5V_D3
R568
1.2K(1W)
R570
1.2K(1W)
+28V
D502
1SS270A
R569
1.2K(1W)
C548
100/35
C549
10/35
ZD501
MTZJ5.6A
DTA114ES
TR504
R577
1K
R579
10K
C555
0.1/50
R578
470K
DTA114ES
TR509
R580
1K
C556
0.1/50
R581
470K
R582
10K
E2 ONLY
To 1U-3359-3 VIDEO UNIT
CY172
17P-FFC
RGB_H
+5V_V1
+5V_V1
AUDIO R
GND_A1
AUDIO L
GND_A1
+12V_D1
S-SEL
VCNT2/WIDE
C
B
A
GND[V]
GND[V]
GND[V]
+5V_V1
+12V_D1

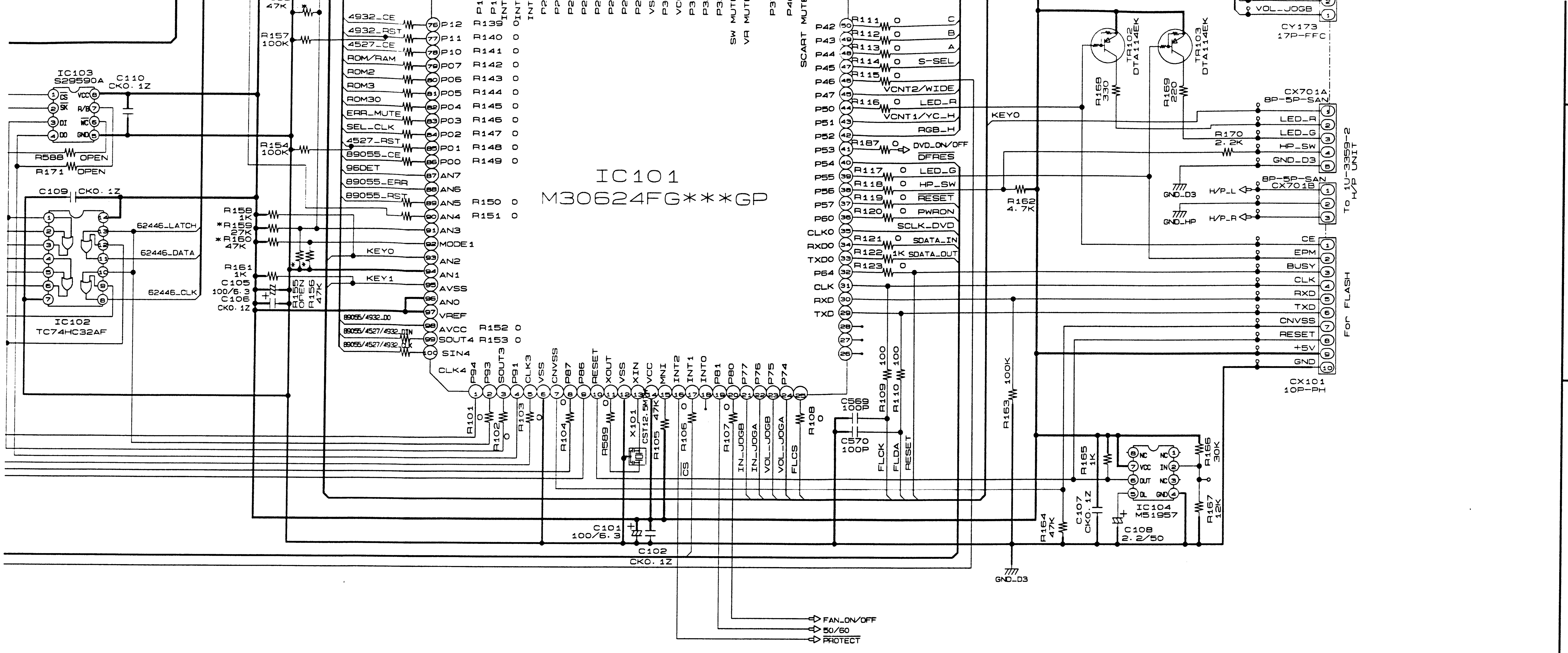

6
7
8
9
10
11
A
B
C
D
TO 1U-3360 DSP UNIT
CY251
25P-FFC
ANALOG_L
GND
ANALOG_R
LOUT
ROUT
COUT
SLOUT
SROUT
SWOUT
L1_OUT
R1_OUT
62446_LATCH
62446_DATA
62446_CLK
-12V_A1
+12V_A1
GND_A1
GND_V1
GND[V]
VCNT1/YC_H
FL
FR
C_OUT
SL
SR
SW
TO 1U-3360 DSP UNIT
CY271
27P-FFC
NC
+5V_D4
GND_D4
96DET
SFI_CLK
ERR_MUTE
ROM30
ROM3
ROM2
4527_CE
4932_RST
4932_CE
89055/4932_DO
89055/4527/4932_CLK
89055/4527/4932_DIN
4527_RST
89055_CSFLAG
89055_ERR
89055_CE
DIN1
DIN2
ROM/RAM
89055_RST
INTREQ_OUT
INTREQ
+5V_D3
W705A OPEN
W705 OPEN
C120 10/16
R176 4.7K
TR105 DTC323TK
TR104 DTA114EK
TR106 DTC323TK
R177 10K
R178 10K
R179 4.7K
R180 2K
D102 1SS270A
D103 1SS270A
TR107 DTC114EK
T. MUTE
TU_L
TU_R
C567 CK0.01
C566 CK0.01
R184 47K
R185 47K
STEREO
TUNED
GND_A1
FM DET
+12V_A1
+5V_D4
SANYO_DO
SANYO_CL
SANYO_DI
SANYO_CE
R186 10K
W703 OPEN
CY151
15P-FFC
TO TUNER PACK
C112 CK0.01Z
C113 10/16
C114 4.7/35
IC106
LC72720NM
VREF
IN
VDDA
VSSA
FLOUT
CIN
T1
T2
T3
T4
T5
XOUT
SYR
CE
DI
CLK
DO
RDSID
SYNC
T7
T6
VSSD
VDDD
XIN
C117 560P
C118 47/10
C119 CK0.01Z
C115 22P
C116 22P
X102
X-TAL(4.332MHZ)
TR108 2SC2412K
R183 680K
R181 1K
C122 CK0.01Z
R182 3.3K
C121 330P
C568 CK0.01
W706A OPEN
W706 OPEN
GND_D3
GND_D4
E2 ONLY
C123 CK1000P
W704
FG3
RL_FRONT
RL_SURR
RL_CENT
RL_HP
R172 0
R173 0
R174 0
R175 0
IC105 OPEN
C111 OPEN
P. ON/OFF
C103 CK0.1Z
C104 100/6.3
REMOTE
R137 100 (5mm)
89055_CSFLAG
R199 39K
R198 47K
R157 100K
4932_CE
4932_RST
4527_CE
R139
R140
P12
P11
R124 0
R138 OPEN
1SS270A
D101
INTREQ
SYR
INTREQ_OUT
SANYO_CL
SANYO_CE
T. MUTE
TUNED
STEREO
P13
P14
INT3
INT4
INT5
P20
P21
P22
P23
P24
P25
P26
VSS
P30
VCC
P31
P32
P33
P37
P40
R188 0
R125 0
R126 0
R127 0
R128 0
R129 0
R130 0
R131 0
R132 0
R133
R134
R135 0
R587 0
R136 0
SW MUTE
VR MUTE
ART MUTE
SDB_ON/OFF
TEMP
P42
P43
R111 0
R112 0
R113
C
B
A
+5V_D3
R197 0
TR109 OPEN
R196 OPEN
C137 OPEN
C136 OPEN
R195 OPEN
TR110 OPEN
F2
F1
-30V
+5V_D3
RESET
FLDA
FLCK
FLCS
GND[D]
KEY0
KEY1
REMOTE
IN_JOGA
IN_JOGB
VOL_JOGA
VOL_JOGB
CY173
17P-FFC
TO 1U-3359-1 DISPLAY UNIT
DTA114EK


1U-3358-1
MAIN UNIT(1/2)
E2 ONLY
VR_MUTE
CK1000P
C543
CK0.1Z
C544
OPEN
JAPAN ONLY
TU IN
*JK504
*JK504
OPEN
L
R
*R583
OPEN
*R584
OPEN
C561
OPEN
C562
OPEN
R585
OPEN
R586
OPEN
C563
OPEN
C564
OPEN
C565
OPEN
CX061
6P-PH
To 1U-3359-7
OPT UNIT
D. IN
GND_D4
D. OUT
+5V_D4
DSEL1
DSEL2
DIN2
DIN1
GND_D4
FUNC_DATA
FUNC_CLK
FUNC_CE
CY083
8P-PH
PWRON
RESET
SCLK_DVD
CS
DFRES
SDATA_OUT
SDATA_IN
+5V_D3
R190
0
R189
OPEN
IC107
OPEN
C138
OPEN
GND_D3
TO
GU-3333-1
DVD MAIN UNIT
J202
OPEN
C124
CK1000P
C125
CK0.01Z
C126
CK0.1Z
C963
OPEN
+5V_D1
J203
SHORT
J101
SHORT
GND_V1
+5V_D2
C964
OPEN
C127
CK1000P
C128
CK0.01Z
C129
CK0.1Z
GND_D2
+12V_A2
CY091
9P-PH
C133
CK1000P
C134
CK0.01Z
C135
OPEN
GND_D1
C130
CK1000P
C131
CK0.01Z
C132
OPEN
FG3
R588
R171
TC74

	E3(USA. CANADA)	E2(EUROPE)
R160	OPEN	47K
R156	47K	47K
R159	47K	27K
R155	47K	OPEN
R199	OPEN	39K
R198	68K	47K
R537	100K	200K
R538	100K	200K
C558	CK1000P	CK1000P
C559	CK0. 1Z	CK0. 1Z
C560	OPEN	OPEN
C557	CK1000P	CK1000P
C513	CK0. 1Z	CK0. 1Z
C514	OPEN	OPEN
C550	CK1000P	CK1000P
C543	CK0. 1Z	CK0. 1Z
C544	OPEN	OPEN

NOTICE

ALL RESISTANCE VALUES IN OHM. k=1,0
ALL CAPACITANCE VALUES IN MICRO FA
EACH VOLTAGE AND CURRENT ARE MEA
CONDITION.
CIRCUIT AND PARTS ARE SUBJECT TO C
NOTICE.


IC101
M30624FG***GP
IC103
S29590A
C110
CK0.1Z
R588 OPEN
R171 OPEN
C109 CK0.1Z
IC102
TC74HC32AF
62446_LATCH
62446_DATA
62446_CLK
R157 100K
R154 100K
R158 1K
*R159 27K
*R160 47K
R161 1K
C105 100/6.3
C106 CK0.1Z
R155 OPEN
R156 47K
KEY0
KEY1
4932_CE
4932_RST
4527_CE
ROM/RAM
ROM2
ROM3
ROM30
ERR_MUTE
SEL_CLK
4527_RST
89055_CE
96DET
89055_ERR
89055_RST
89055/4932_DO
89055/4527/4932_DIN
89055/4527/4932_CLK
R139 0
R140 0
R141 0
R142 0
R143 0
R144 0
R145 0
R146 0
R147 0
R148 0
R149 0
R150 0
R151 0
R152 0
R153 0
P12
P11
P10
P07
P06
P05
P04
P03
P02
P01
P00
AN7
AN6
AN5
AN4
AN3
MODE1
AN2
AN1
AVSS
AN0
VREF
AVCC
SOUT4
SIN4
CLK4
P94
P93
SOUT3
P91
CLK3
VSS
CNVSS
P87
P86
RESET
XOUT
VSS
XIN
VCC
NMI
INT2
INT1
INT0
P81
P80
P77
P76
P75
P74
SW MUTE
VR MUTE
SCART MUTE
P42
P43
P44
P45
P46
P47
P50
P51
P52
P53
P54
P55
P56
P57
P60
CLK0
RXD0
TXD0
P64
CLK
RXD
TXD
R111 0
R112 0
R113 0
R114 0
R115 0
R116 0
R187 0
R117 0
R118 0
R119 0
R120 0
R121 0
R122 1K
R123 0
C
B
A
S-SEL
VCNT2/WIDE
LED_R
VCNT1/YC_H
RGB_H
DVD_ON/OFF
DFRES
LED_G
HP_SW
RESET
PWRON
SCLK_DVD
SDATA_IN
SDATA_OUT
KEY0
R101 0
R102 0
R103
R104
R589
X101 CST12.5M
R105 47K
R106
R107 0
R108 0
R109 100
R110 100
C569 100P
C570 100P
CS
IN_JOGB
IN_JOGA
VOL_JOGB
VOL_JOGA
FLCS
FLCK
FLDA
RESET
C101 100/6.3
C102 CK0.1Z
FAN_ON/OFF
50/60
PROTECT
TR102 DTA114EK
TR103 DTA114EK
R168 330
R169 220
R170 2.2K
R162 4.7K
R163 100K
GND_D3
GND_HP
H/P_L
H/P_R
VOL_JOGB
CY173 17P-FFC
CX701A 8P-5P-SAN
CX701B 8P-5P-SAN
LED_R
LED_G
HP_SW
GND_D3
To 1U-3359-2 H/P UNIT
CE
EPM
BUSY
CLK
RXD
TXD
CNVSS
RESET
+5V
GND
For FLASH
CX101 10P-PH
R165 1K
R166 30K
R167 12K
R164 47K
C107 CK0.1Z
C108 2.2/50
IC104 M51957
NC
VCC
IN
OUT
DL
GND

——— + B LINE

– – – – – B LINE

SIGNAL LINE

1. k=1,000 OHM M=1,000,000 OHM
RO FARAD. P=MICRO-MICRO FARAD
RE MEASUERD AT MO SIGNAL INPUT

T TO CHANGE WITHOUT PRIOR

WARNING

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WARNING

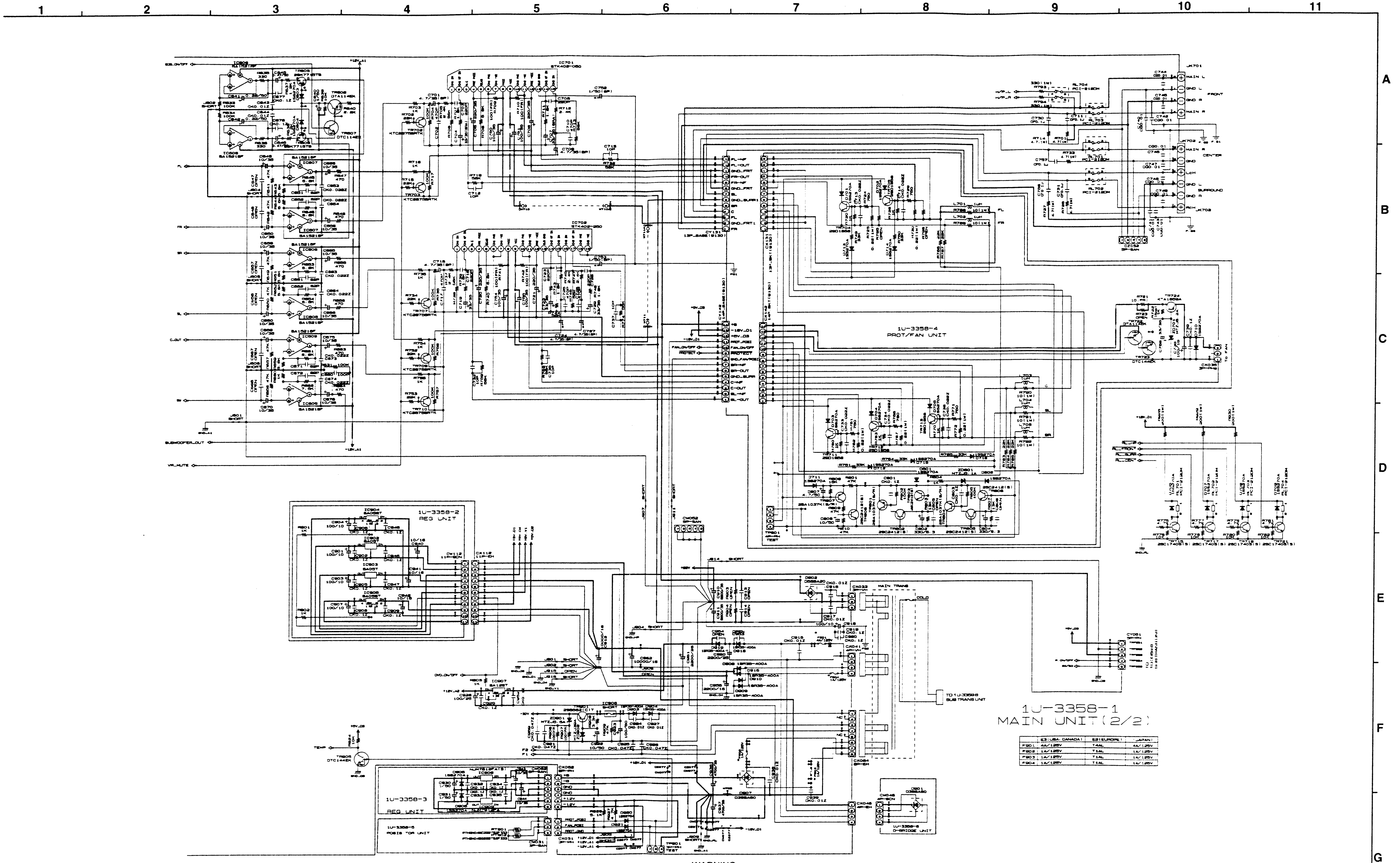
DO NOT return the unit to the customer until the problem is located and corrected.

SCHEMATIC DIAGRAMS(3/8)

1U-3358-1 MAIN UNIT (1/2)

E
F
G
H

SCHEMATIC DIAGRAMS(4/8)


1
2
3
4
5
6
7
8
9
10
11
A
B
C
D
E
F
G
IC701
STK402-050
IC702
STK402-050
1U-3358-4
PROT/FAN UNIT
1U-3358-2
REG UNIT
1U-3358-3
REG UNIT
1U-3358-5
POSIS TOR UNIT
1U-3358-6
D-BRIDGE UNIT
MAIN TRANS
TO 1U-3358-8
SUB TRANS UNIT
FRONT
CENTER
SURROUND
TO FAN
TEST
1U-3358-1
MAIN UNIT(2/2)

	E3(USA. CANADA)	E2(EUROPE)	(JAPAN)
F901	4A/125V	T4AL	4A/125V
F902	1A/125V	T1AL	1A/125V
F903	1A/125V	T1AL	1A/125V
F904	1A/125V	T1AL	1A/125V

NOTICE

ALL RESISTANCE VALUES IN OHM. k=1,000 OHM M=1,000,000 OHM
ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD
EACH VOLTAGE AND CURRENT ARE MEASUERD AT MO SIGNAL INPUT CONDITION.
CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

WARNING:

Parts marked with this symbol ⚠☐ have critical characteristics.
Use ONLY replacement parts recommended by the manufacture.

CAUTION:

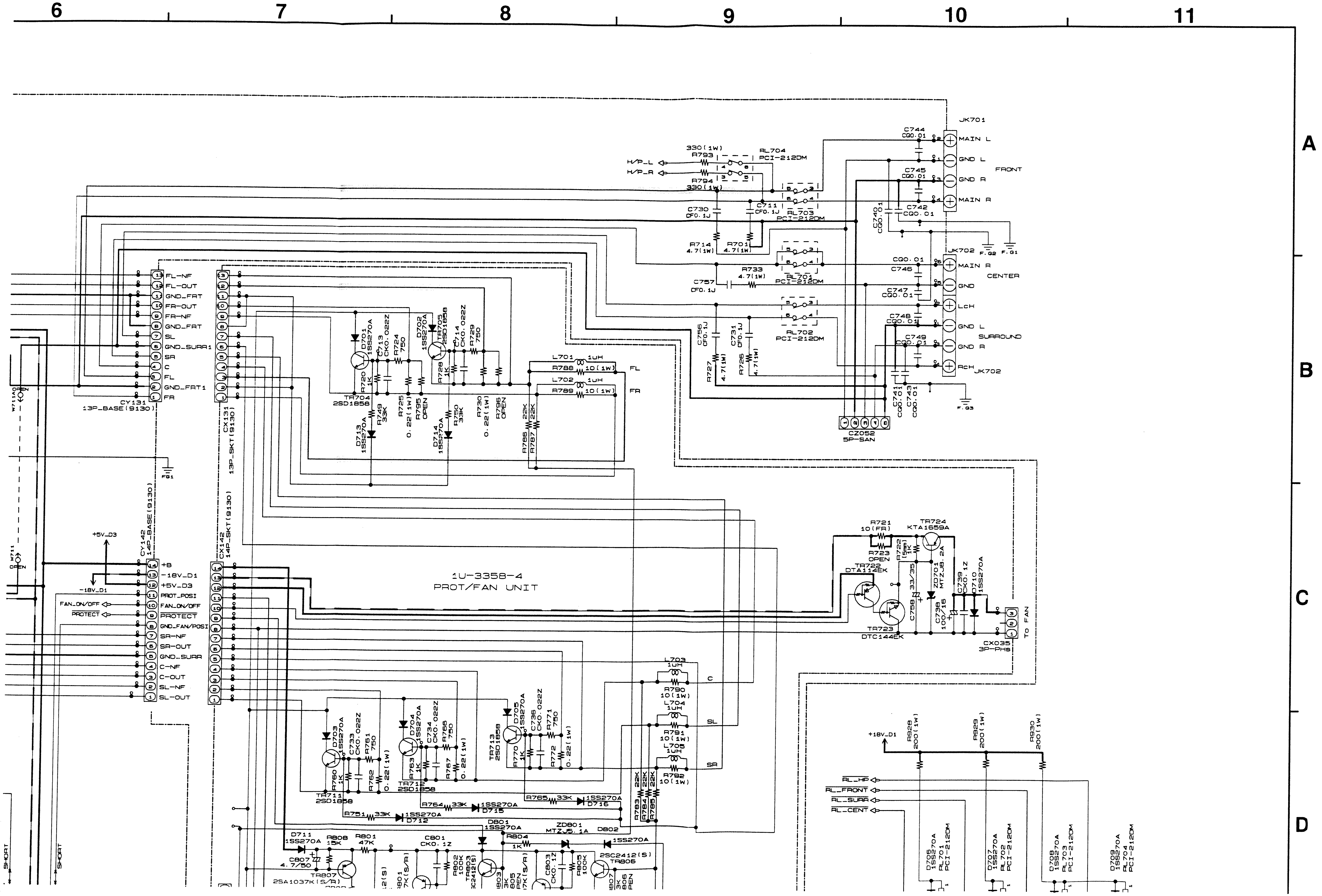
Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power card is less than 460kohms, the unit is defective.

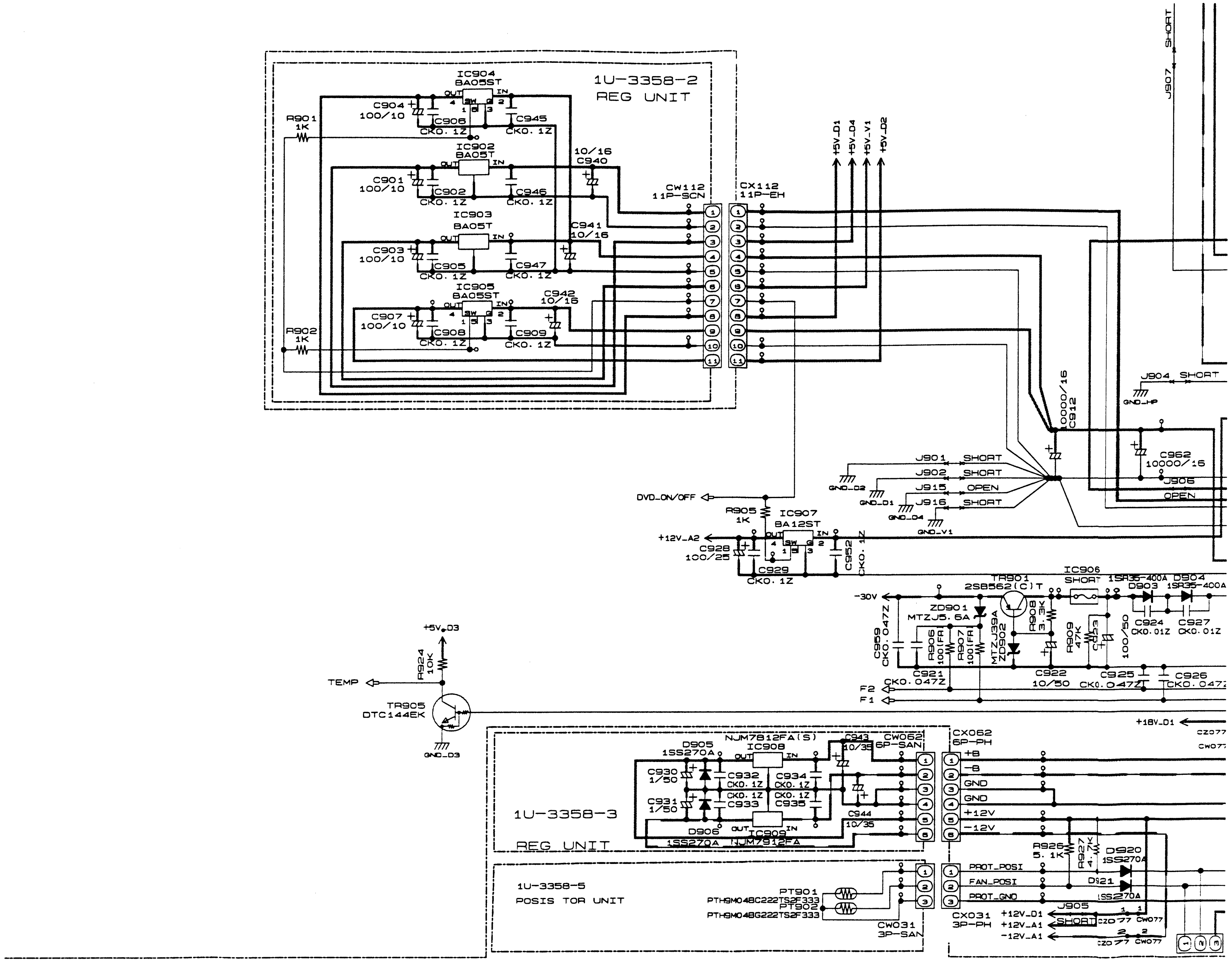
WARNING

DO NOT return the unit to the customer until the problem is located and corrected.

——— + B LINE
– – – – - B LINE
SIGNAL LINE

SCHEMATIC DIAGRAMS(4/8)
1U-3358-1 MAIN UNIT (2/2)
1U-3358-2 REG UNIT
1U-3358-3 AUDIO REG UNIT
1U-3358-4 PROT/FAN UNIT
1U-3358-5 POSISTOR UNIT
1U-3358-6 D-BRIDGE UNIT


6
7
8
9
10
11
A
B
C
D
1U-3358-4
PROT/FAN UNIT
JK701
MAIN L
GND L
FRONT
GND R
MAIN R
JK702
MAIN R
CENTER
GND
LcH
GND L
SURROUND
GND R
RcH
C744 CQ0.01
C745 CQ0.01
C742 CQ0.01
C740 CQ0.01
C746 CQ0.01
C747 CQ0.01
C748 CQ0.01
C749 CQ0.01
C741 CQ0.01
C743 CQ0.01
F.G2
F.G1
F.G3
330(1W)
R793
R794
330(1W)
H/P_L
H/P_R
RL704 PCI-212DM
RL703 PCI-212DM
RL701 PCI-212DM
RL702 PCI-212DM
C730 CF0.1J
C711 CF0.1J
R714 4.7(1W)
R701 4.7(1W)
R733 4.7(1W)
C757 CF0.1J
C756 CF0.1J
C731 CF0.1J
R727 4.7(1W)
R726 4.7(1W)
CZ052 5P-SAN
FL-NF
FL-OUT
GND_FRT
FR-OUT
FR-NF
GND_FRT
SL
GND_SURR1
SR
C
FL
GND_FRT1
FR
CY131 13P_BASE(9130)
CX131 13P_SKT(9130)
W711A OPEN
D701 1SS270A
C713 CK0.022Z
R724 750
D702 1SS270A
TR705 2SD1858
C714 CK0.022Z
R729 750
R720 1K
TR704 2SD1858
R728 1K
R749 33K
R725 0.22(1W)
R795 OPEN
R750 33K
R730 0.22(1W)
R796 OPEN
D713 1SS270A
D714 1SS270A
L701 1UH
R788 10(1W)
L702 1UH
R789 10(1W)
FL
FR
R786 22K
R787 22K
FG1
+5V_D3
CY142 14P_BASE(9130)
W711 OPEN
-18V_D1
+B
-18V_D1
+5V_D3
PROT_POSI
FAN_ON/OFF
PROTECT
GND_FAN/POSI
SR-NF
SR-OUT
GND_SURR
C-NF
C-OUT
SL-NF
SL-OUT
FAN_ON/OFF
PROTECT
CX142 14P_SKT(9130)
R721 10(FR)
R723 OPEN
R722 15K 1K
TR724 KTA1659A
TR722 DTA114EK
TR723 DTC144EK
C758 33/35
ZD701 MTZJ8.2A
C738 100/16
C739 CK0.1Z
D710 1SS270A
CX035 3P-PHS
TO FAN
L703 1UH
R790 10(1W)
C
L704 1UH
R791 10(1W)
SL
L705 1UH
R792 10(1W)
SR
D703 1SS270A
C733 CK0.022Z
R751 750
D704 1SS270A
C734 CK0.022Z
R766 750
D705 1SS270A
C736 CK0.022Z
R771 750
TR713 2SD1858
R760 1K
R762 0.22(1W)
R763 1K
R767 0.22(1W)
R770 1K
R772 0.22(1W)
TR711 2SD1858
TR712 2SD1858
R783 22K
R784 22K
R785 22K
R765 33K
1SS270A D716
R764 33K
1SS270A D715
R751 33K
1SS270A D712
D711 1SS270A
R808 15K
R801 47K
C801 CK0.1Z
D801 1SS270A
R804 1K
ZD801 MTZJ5.1A
D802 1SS270A
C807 4.7/50
TR807 2SA1037K(S/R)
R802 100K
TR803 2SC2412(S)
C803 CK0.1Z
R805 100K
2SC2412(S) TR806
SHORT
SHORT
+18V_D1
R928 200(1W)
R929 200(1W)
R930 200(1W)
RL_HP
RL_FRONT
RL_SURR
RL_CENT
D706 1SS270A RL701 PCI-212DM
D707 1SS270A RL702 PCI-212DM
D708 1SS270A RL703 PCI-212DM
D709 1SS270A RL704 PCI-212DM


1U-3358-2
REG UNIT
IC904
BA05ST
IC902
BA05T
IC903
BA05T
IC905
BA05ST
R901
1K
R902
1K
C904
100/10
C901
100/10
C903
100/10
C907
100/10
C906
C902
C905
C908
CK0.1Z
C945
C946
C947
C909
C940
10/16
C941
10/16
C942
10/16
OUT
IN
SW
CW112
11P-SCN
CX112
11P-EH
+5V_D1
+5V_D4
+5V_V1
+5V_D2
J907
SHORT
J904
SHORT
GND_HP
C912
10000/16
C962
10000/16
J901
SHORT
J902
SHORT
J915
OPEN
J916
SHORT
J906
OPEN
GND_D2
GND_D1
GND_D4
GND_V1
DVD_ON/OFF
R905
1K
IC907
BA12ST
+12V_A2
C928
100/25
C929
CK0.1Z
C952
CK0.1Z
TR901
2SB562(C)T
IC906
SHORT
1SR35-400A
D904
D903
ZD901
MTZJ5.6A
ZD902
MTZJ39A
R908
3.3K
R909
47K
C923
100/50
C924
CK0.01Z
C927
CK0.01Z
-30V
C959
CK0.047Z
R906
100(FR)
R907
100(FR)
C921
CK0.047Z
C922
10/50
C925
CK0.047Z
C926
CK0.047Z
F2
F1
+5V_D3
R924
10K
TEMP
TR905
DTC144EK
GND_D3
+18V_D1
CZ077
CW077
1U-3358-3
REG UNIT
NJM7812FA(S)
IC908
D905
1SS270A
C930
1/50
C931
1/50
C932
CK0.1Z
C933
CK0.1Z
C934
CK0.1Z
C935
CK0.1Z
C943
10/35
C944
10/35
D906
1SS270A
IC909
NJM7912FA
CW062
6P-SAN
CX062
6P-PH
+B
-B
GND
GND
+12V
-12V
R926
5.1K
R927
4.7K
D920
1SS270A
D921
1SS270A
PROT_POSI
FAN_POSI
PROT_GND
1U-3358-5
POSIS TOR UNIT
PT901
PTH9M04BG222TS2F333
PT902
PTH9M04BG222TS2F333
CW031
3P-SAN
CX031
3P-PH
+12V_D1
+12V_A1
-12V_A1
J905
SHORT
CZ077
CW077

NOTICE

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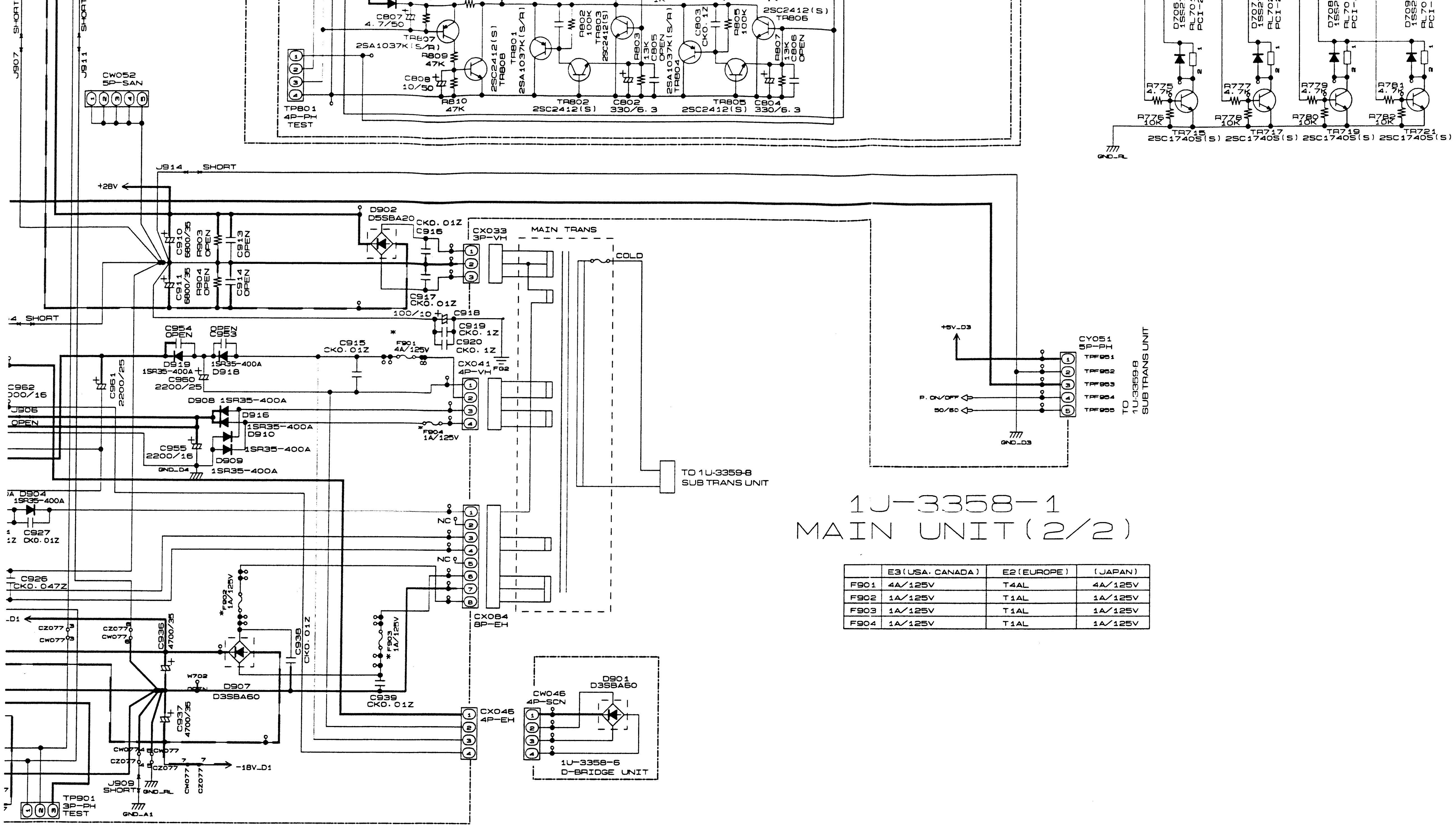
1U-3358-1
MAIN UNIT(2/2)
CW052 5P-SAN
TP801 4P-PH TEST
J907 SHORT
J911 SHORT
J914 SHORT
+28V
C807 4.7/50
TR807 2SA1037K(S/R)
R809 47K
C808 10/50
R810 47K
TR808 2SC2412(S)
TR801 2SA1037K(S/R)
R802 100K
TR803 2SC2412(S)
TR802 2SC2412(S)
R803 13K
C805 OPEN
C802 330/6.3
TR804 2SA1037K(S/R)
C803 CK0.1Z
R805 100K
TR806 2SC2412(S)
R807 13K
C806 OPEN
TR805 2SC2412(S)
C804 330/6.3
D705 1SS2 RL70 PC1-2
D707 1SS2 RL70 PC1-
D708 1SS RL70 PC1-
D709 1SS2 RL70 PC1-
R775 4.7K
R776 10K
TR715 2SC1740S(S)
R777 4.7K
R778 10K
TR717 2SC1740S(S)
R779 4.7K
R780 10K
TR719 2SC1740S(S)
R781 4.7K
R782 10K
TR721 2SC1740S(S)
GND_RL
D902 D5SBA20
CK0.01Z C916
CX033 3P-VH
MAIN TRANS
COLD
C910 6800/35
R903 OPEN
C913 OPEN
C911 6800/35
R904 OPEN
C914 OPEN
C917 CK0.01Z
100/10 C918
C919 CK0.1Z
C920 CK0.1Z
C954 OPEN
C953 OPEN
C915 CK0.01Z
F901 4A/125V
CX041 4P-VH
F02
D919 1SR35-400A
1SR35-400A D918
C960 2200/25
C962 000/16
C961 2200/25
J906 OPEN
D908 1SR35-400A
D916 1SR35-400A
D910
C955 2200/16
GND_D4
D909 1SR35-400A
F904 1A/125V
TO 1U-3359-8 SUB TRANS UNIT
+5V_D3
CY051 5P-PH
TPF951
TPF952
TPF953
TPF954
TPF955
P.ON/OFF
50/60
GND_D3
TO 1U-3359-8 SUB TRANS UNIT
SHORT
D904 1SR35-400A
C927 CK0.01Z
C926 CK0.047Z
NC
CX084 8P-EH
-D1
CZ077 CW077
C936 4700/35
F902 1A/125V
W702 OPEN
D907 D3SBA60
C938 CK0.01Z
F903 1A/125V
C939 CK0.01Z
CX046 4P-EH
D901 D3SBA60
CW046 4P-SCN
1U-3358-6 D-BRIDGE UNIT
C937 4700/35
-18V_D1
J909 SHORT
GND_RL
GND_A1
TP901 3P-PH TEST
E
F
G
H

	E3(USA. CANADA)	E2(EUROPE)	(JAPAN)
F901	4A/125V	T4AL	4A/125V
F902	1A/125V	T1AL	1A/125V
F903	1A/125V	T1AL	1A/125V
F904	1A/125V	T1AL	1A/125V

RAD
PUT

WARNING:

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CAUTION:

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WARNING

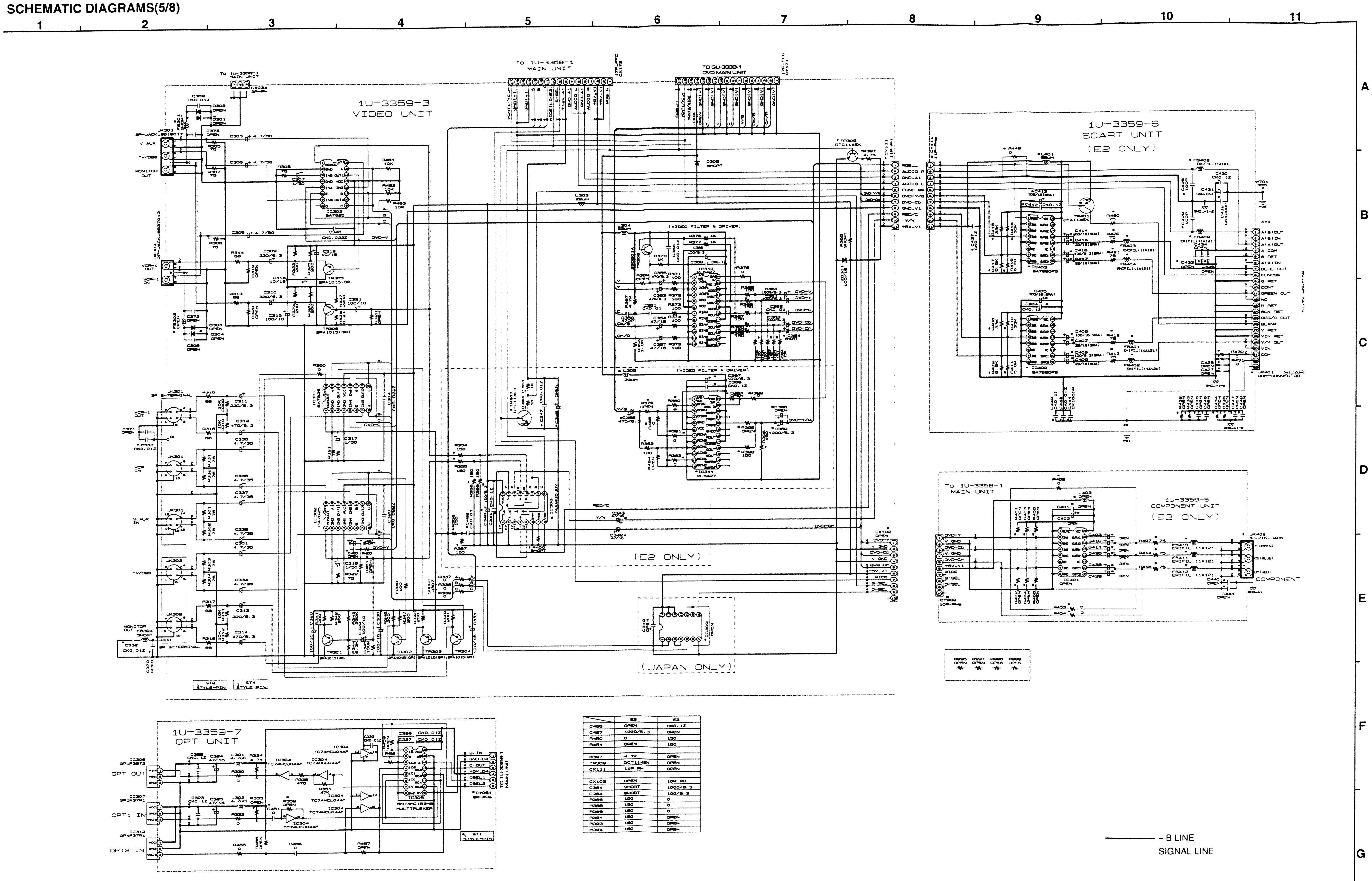
DO NOT return the unit to the customer until the problem is located and corrected.

——— + B LINE
— — — - B LINE
SIGNAL LINE

SCHEMATIC DIAGRAMS(4/8)

1U-3358-1 MAIN UNIT (2/2)
1U-3358-2 REG UNIT
1U-3358-3 AUDIO REG UNIT
1U-3358-4 PROT/FAN UNIT
1U-3358-5 POSISTOR UNIT
1U-3358-6 D-BRIDGE UNIT

SCHEMATIC DIAGRAMS(5/8)


1 2 3 4 5 6 7 8 9 10 11
A B C D E F G H
1U-3359-3 VIDEO UNIT
To 1U-3358-1 MAIN UNIT
TO GU-3333-1 DVD MAIN UNIT
1U-3359-6 SCART UNIT (E2 ONLY)
1U-3359-5 COMPONENT UNIT (E3 ONLY)
1U-3359-7 OPT UNIT
(VIDEO FILTER & DRIVER)
(E2 ONLY)
(JAPAN ONLY)
OPT OUT
OPT1 IN
OPT2 IN
V.AUX
TV/DBS
MONITOR OUT
VCR-1 OUT
VCR-1 IN
COMPONENT
SCART RGB-CONNECTOR
IC303 BA7626
IC310
IC311 HL6427
IC305 SN74HC153N MULTIPLEXER

	E2	E3
C466	OPEN	CK0. 1Z
C467	1000/6. 3	OPEN
R450	0	150
R451	OPEN	150
R397	4. 7K	OPEN
TR309	DCT114EK	OPEN
CX111	11P PH	OPEN
CX102	OPEN	10P PH
C361	SHORT	1000/6. 3
C364	SHORT	100/6. 3
R386	150	0
R388	150	0
R389	150	0
R391	150	OPEN
R393	150	OPEN
R394	150	OPEN

+ B LINE
SIGNAL LINE

NOTICE
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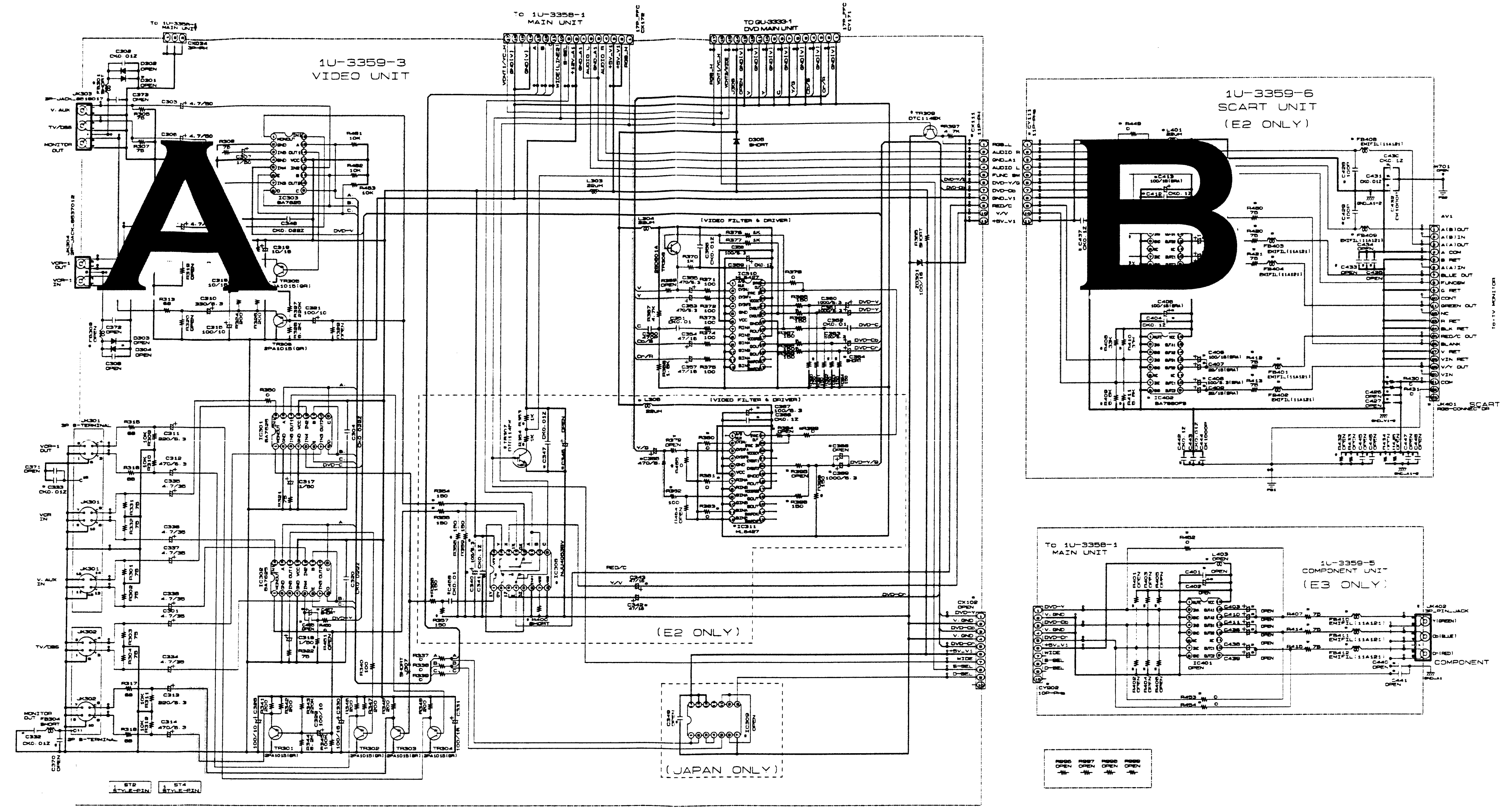
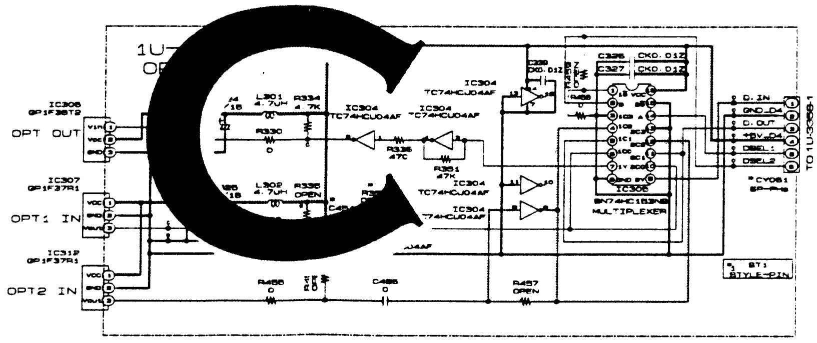
WARNING:
DO NOT return the unit to the customer until the problem is located and corrected.

SCHEMATIC DIAGRAMS(5/8)
1U-3359-3 VIDEO UNIT
1U-3359-5 COMPONENT UNIT
1U-3359-6 SCART UNIT
1U-3359-7 OPT UNIT

SCHEMATIC DIAGRAMS(5/8)


A
B
1U-3359-3
VIDEO UNIT
TO 1U-3358-1
MAIN UNIT
TO GU-3333-1
DVD MAIN UNIT
1U-3359-6
SCART UNIT
(E2 ONLY)
(VIDEO FILTER & DRIVER)
IC303
BA7625
IC310
IC311
ML6427
IC401
IC402
BA7660FS
(E2 ONLY)
(JAPAN ONLY)
To 1U-3358-1
MAIN UNIT
1U-3359-5
COMPONENT UNIT
(E3 ONLY)
COMPONENT
JK401 SCART
RGB-CONNECTOR
TO TV MONITOR
V. AUX
TV/DBS
MONITOR OUT
VCR-1 OUT
VCR-1 IN
VCR IN
V. AUX IN
TV/DBS
MONITOR OUT
TR301
TR302
TR303
TR304
TR305
TR306


C
1U-3359-7
OPT UNIT
OPT OUT
OPT1 IN
OPT2 IN
IC304
TC74HCU04AF
IC305
SN74HC153PS
MULTIPLEXER
TO 1U-3358-1
MAIN UNIT

	E2	E3
C486	OPEN	CK0. 1Z
C487	1000/6. 3	OPEN
R450	0	150
R451	OPEN	150
R367	4. 7K	OPEN
TR309	DCT114EK	OPEN
CX111	11P PH	OPEN
CX102	OPEN	10P PH
C361	SHORT	1000/6. 3
C364	SHORT	100/6. 3
R366	150	0
R368	150	0
R369	150	0
R381	150	OPEN
R383	150	OPEN
R384	150	OPEN

D

——— + B LINE

SIGNAL LINE

NOTICE

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WARNING:

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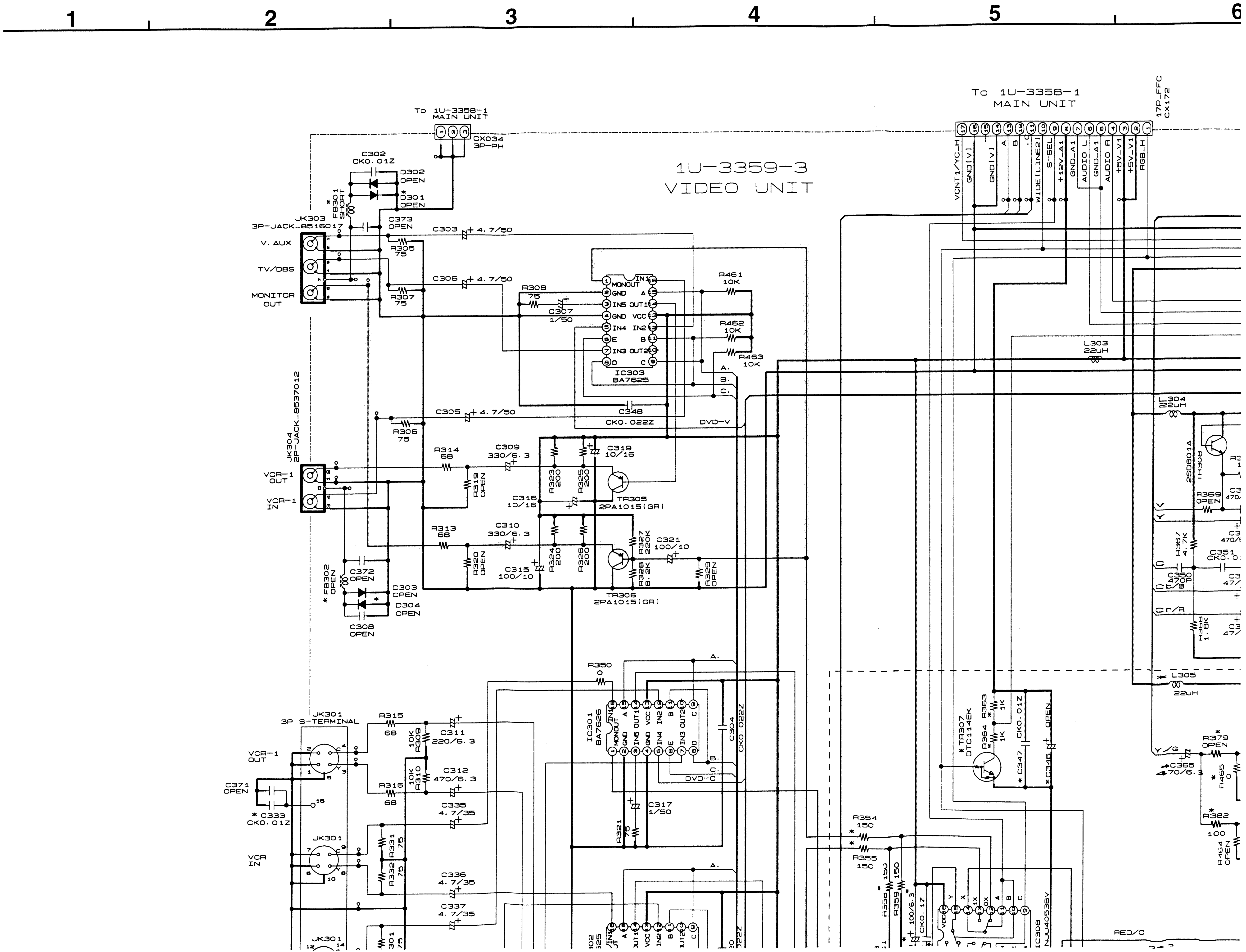
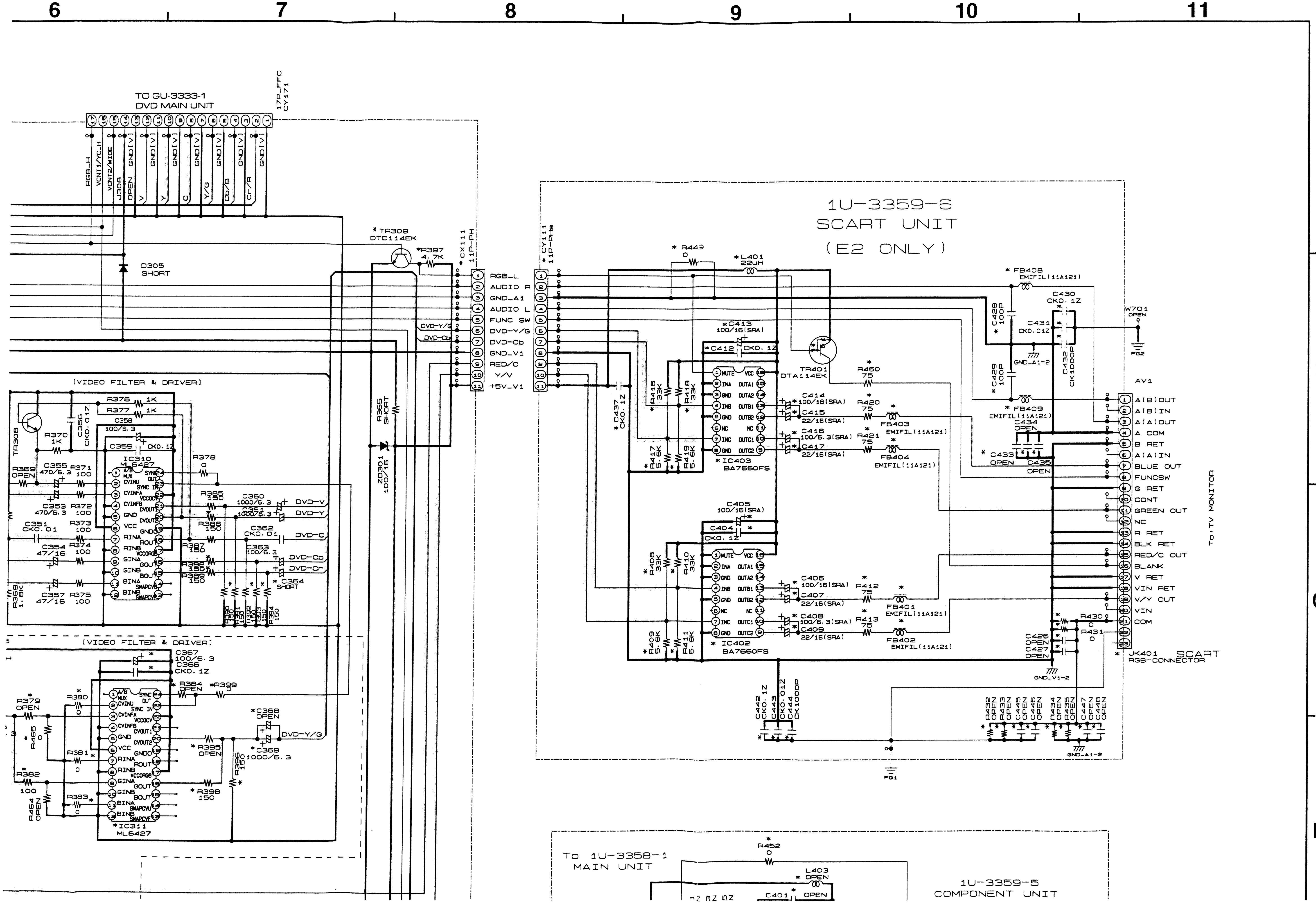
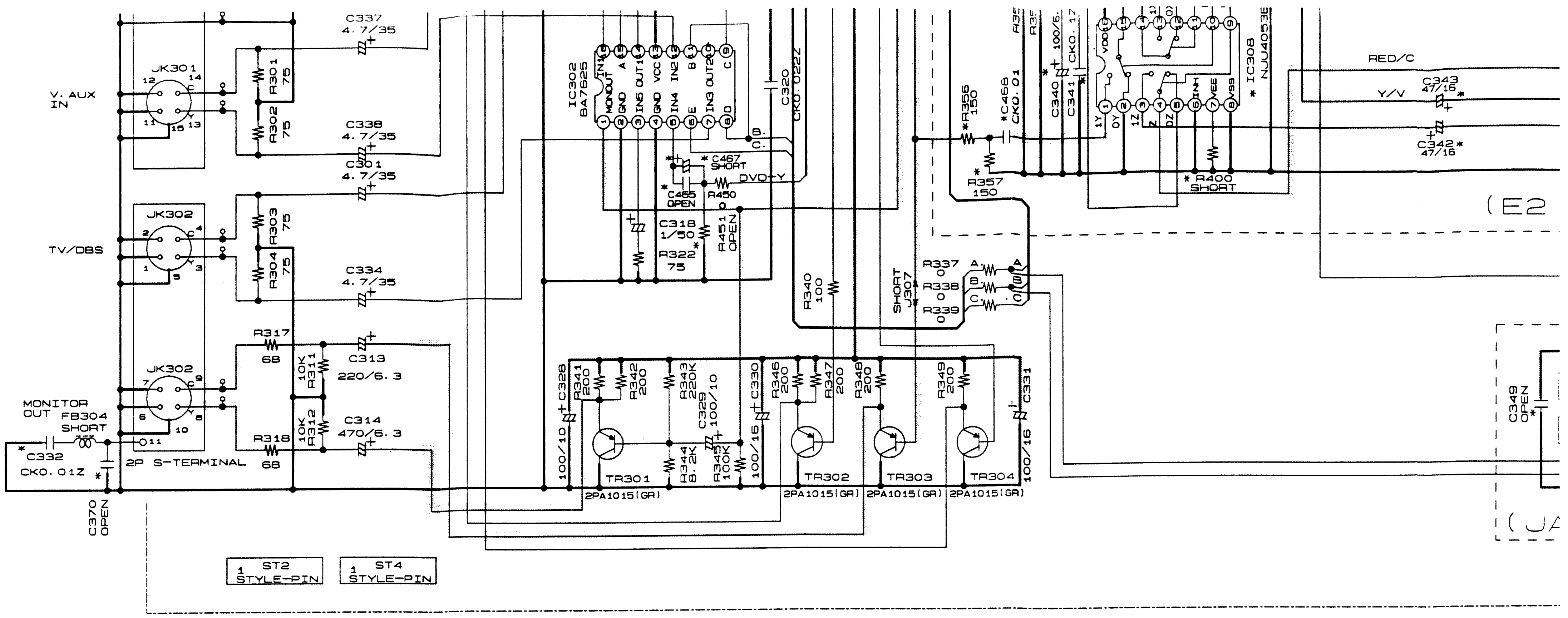
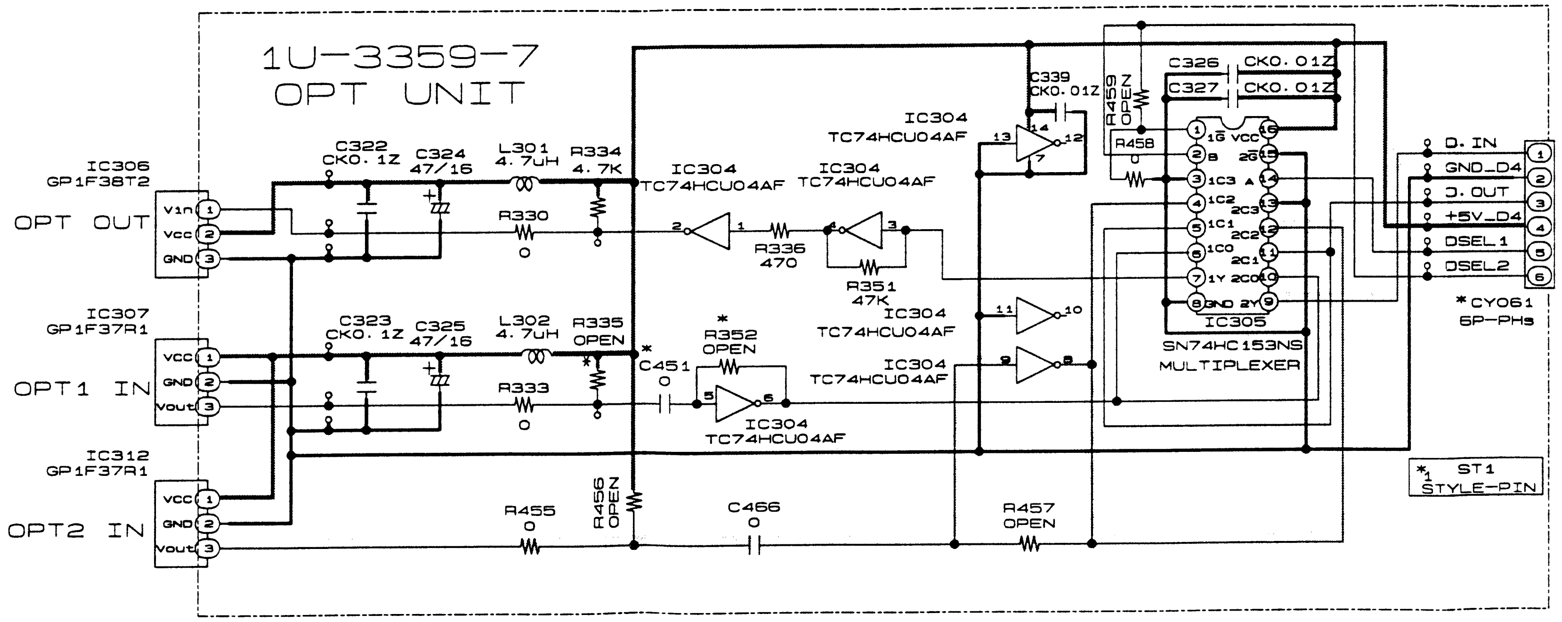
SCHEMATIC DIAGRAMS(5/8)
1U-3359-3 VIDEO UNIT
1U-3359-5 COMPONENT UNIT
1U-3359-6 SCART UNIT
1U-3359-7 OPT UNIT

SCHEMATIC DIAGRAMS(5/8)


1
2
3
4
5
6
1U-3359-3
VIDEO UNIT
To 1U-3358-1 MAIN UNIT
CX034 3P-PH
To 1U-3358-1 MAIN UNIT
17P_FFC CX172
VCNT1/YC_H
GND(V)
GND(V)
A
B
C
WIDE(LINE2)
S-SEL
+12V_A1
GND_A1
AUDIO L
GND_A1
AUDIO R
+5V_V1
+5V_V1
RGB_H
C302 CK0.01Z
D302 OPEN
D301 OPEN
FB301 SHORT
JK303 3P-JACK_8516017
V. AUX
TV/DBS
MONITOR OUT
C373 OPEN
R305 75
R307 75
C303 4.7/50
C306 4.7/50
R308 75
C307 1/50
IC303 BA7625
MONOUT
GND
IN5
GND
IN4
E
IN3
D
IN1
A
OUT1
VCC
IN2
B
OUT2
C
R461 10K
R462 10K
R463 10K
A.
B.
C.
C348 CK0.022Z
DVD-V
C305 4.7/50
R306 75
JK304 2P-JACK_8537012
VCR-1 OUT
VCR-1 IN
R314 68
C309 330/6.3
R319 OPEN
R323 200
R325 200
C319 10/16
TR305 2PA1015(GR)
C316 10/16
R313 68
C310 330/6.3
R320 OPEN
C315 100/10
R324 200
R326 200
R327 220K
R328 8.2K
C321 100/10
R329 OPEN
TR306 2PA1015(GR)
FB302 OPEN
C372 OPEN
C303 OPEN
D304 OPEN
C308 OPEN
L303 22uH
L304 22uH
2SD601A TR308
R369 OPEN
R367 4.7K
C351 CK0.0
C350
Cb/B
Cr/R
R368 1.8K
L305 22uH
R350 0
IC301 BA7626
C304 CK0.022Z
DVD-C
C317 1/50
R321 75
JK301 3P S-TERMINAL
VCR-1 OUT
R315 68
R309 10K
C311 220/6.3
R310 10K
C312 470/6.3
R316 68
C371 OPEN
C333 CK0.01Z
C335 4.7/35
JK301
VCR IN
R331 75
R332 75
C336 4.7/35
C337 4.7/35
TR307 DTC114EK
R363 1K
R364 1K
C347 CK0.01Z
C346 OPEN
R354 150
R355 150
R358 150
R359 150
100/6.3
CK0.1Z
IC308 NJU4053BV
RED/C
Y/G
R379 OPEN
C365 470/6.3
R465 0
R382 100
R464 OPEN


6
7
8
9
10
11
A
B
C
D
TO GU-3333-1
DVD MAIN UNIT
17P_FFC
CY171
RGB_H
VCNT1/YC_H
VCNT2/WIDE
J308
OPEN
GND(V)
V
Y
C
Y/G
Cb/B
Cr/R
D305
SHORT
*TR309
DTC114EK
*R397
4.7K
*CX111
11P-PH
*CY111
11P-PHs
RGB_L
AUDIO R
GND_A1
AUDIO L
FUNC SW
DVD-Y/G
DVD-Cb
GND_V1
RED/C
Y/V
+5V_V1
R365
SHORT
ZD301
100/16
1U-3359-6
SCART UNIT
(E2 ONLY)
*R449
0
*L401
22uH
*C413
100/16(SRA)
*C412
CK0.1Z
TR401
DTA114EK
*IC403
BA7660FS
*IC402
BA7660FS
C405
100/16(SRA)
C404
CK0.1Z
*FB408
EMIFIL(11A121)
C430
CK0.1Z
C428
100P
C431
CK0.01Z
C432
CK1000P
C429
100P
*FB409
EMIFIL(11A121)
C434
OPEN
C433
OPEN
C435
OPEN
W701
OPEN
FG2
GND_A1-2
*R460
75
R420
75
FB403
EMIFIL(11A121)
R421
75
FB404
EMIFIL(11A121)
C414
100/16(SRA)
C415
22/16(SRA)
C416
100/6.3(SRA)
C417
22/16(SRA)
R416
33K
R418
33K
R417
5.6K
R419
5.6K
*C437
CK0.1Z
R408
33K
R410
33K
R409
5.6K
R411
5.6K
C406
100/16(SRA)
C407
22/16(SRA)
C408
100/6.3(SRA)
C409
22/16(SRA)
R412
75
R413
75
FB401
EMIFIL(11A121)
FB402
EMIFIL(11A121)
MUTE
VCC
INA
OUTA1
OUTA2
INB
OUTB1
OUTB2
GND
NC
INC
OUTC1
OUTC2
C442
CK0.1Z
C443
CK0.01Z
C444
CK1000P
FG1
AV1
A(B)OUT
A(B)IN
A(A)OUT
A COM
B RET
A(A)IN
BLUE OUT
FUNCSW
G RET
CONT
GREEN OUT
NC
R RET
BLK RET
RED/C OUT
BLANK
V RET
VIN RET
V/Y OUT
VIN
COM
R430
0
R431
0
C426
OPEN
C427
OPEN
GND_V1-2
*JK401 SCART
RGB-CONNECTOR
To:TV MONITOR
R432
OPEN
R433
OPEN
C445
OPEN
C446
OPEN
R434
OPEN
R435
OPEN
C447
OPEN
C448
OPEN
GND_A1-2
[VIDEO FILTER & DRIVER]
TR308
R370
1K
C356
CK0.01Z
R376
1K
R377
1K
C358
100/6.3
C359
CK0.1Z
IC310
ML6427
R369
OPEN
C355
470/6.3
R371
100
C353
470/6.3
R372
100
C351
CK0.01
R373
100
C354
47/16
R374
100
R368
1.8K
C357
47/16
R375
100
R378
0
R385
150
C360
1000/6.3
C361
1000/6.3
DVD-V
DVD-Y
R386
150
C362
CK0.01
DVD-C
R387
150
C363
100/6.3
DVD-Cb
R388
150
R389
150
DVD-Cr
*C364
SHORT
R390
R391
R392
R393
R394
150
A/B MUX
CVINJ
CVINFA
CVINFB
GND
VCC
RINA
RINB
GINA
GINB
BINA
BINB
SYNC OUT
SYNC IN
VCCOCV
CVOUT1
CVOUT2
GNDO
ROUT
VCCORGB
GOUT
BOUT
SWAPCVU
SWAPCVF
[VIDEO FILTER & DRIVER]
C367
100/6.3
C366
CK0.1Z
R379
OPEN
R380
0
R384
OPEN
*R399
0
R465
0
R381
0
*C368
OPEN
DVD-Y/G
*R395
OPEN
*C359
1000/6.3
R396
150
R382
100
*R398
150
R383
0
R464
OPEN
*IC311
ML6427
To 1U-3358-1
MAIN UNIT
*R452
0
L403
OPEN
C401
OPEN
1U-3359-5
COMPONENT UNIT

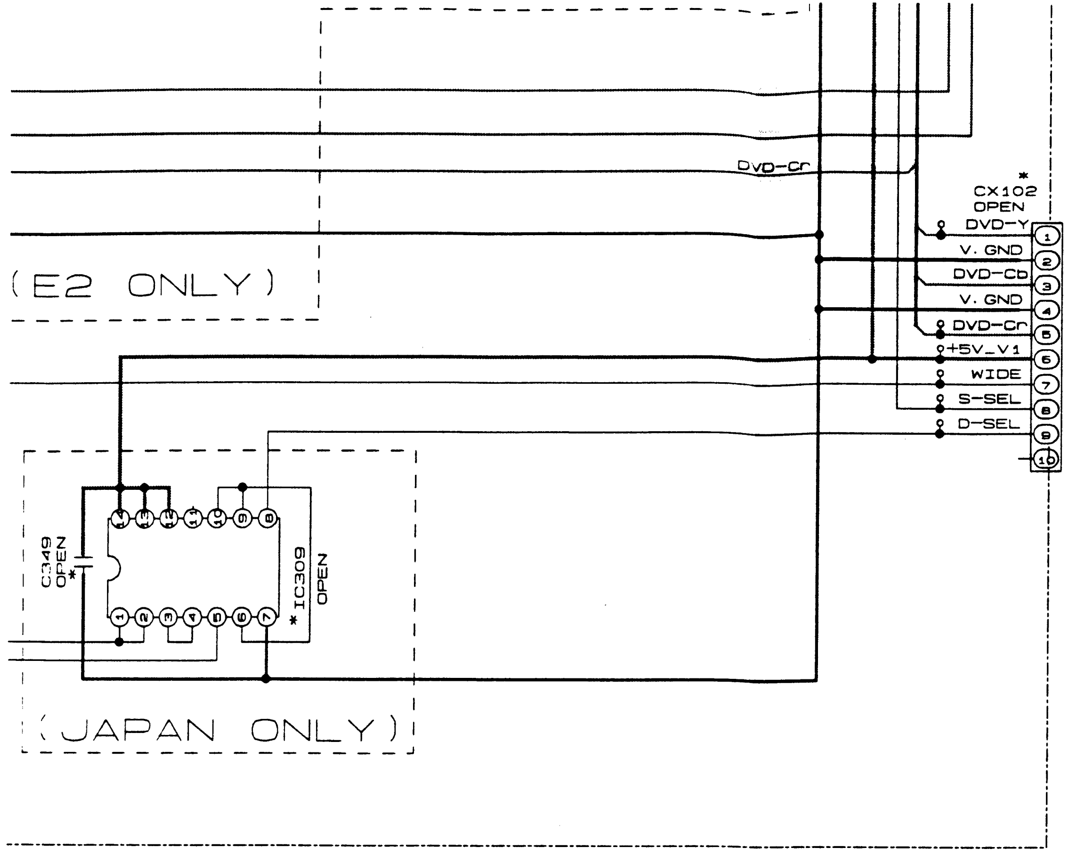

V. AUX IN
JK301
TV/DBS
JK302
MONITOR OUT
FB304 SHORT
C332 CK0. 01Z
C370 OPEN
2P S-TERMINAL
R301 75
R302 75
R303 75
R304 75
C337 4. 7/35
C338 4. 7/35
C301 4. 7/35
C334 4. 7/35
R317 68
R318 68
R311 10K
R312 10K
C313 220/6. 3
C314 470/6. 3
IC302 BA7625
C320 CK0. 022Z
C467 SHORT
C465 OPEN
R450
DVD-Y
C318 1/50
R322 75
R451 OPEN
C328 100/10
R341 200
R342 200
R343 220K
C329 100/10
R344 8. 2K
R345 10K
C330 100/16
R346 200
R347 200
R348 200
R349 200
C331 100/16
TR301
TR302
TR303
TR304
2PA1015(GR)
R340 100
SHORT J307
R337 0
R338 0
R339 0
R356 150
C466 CK0. 01
C340 100/6.
C341 CK0. 1Z
R357 150
R400 SHORT
IC308 NJU4053E
RED/C
Y/V
C343 47/16
C342 47/16
(E2
C349 OPEN
(JA
ST2 STYLE-PIN
ST4 STYLE-PIN

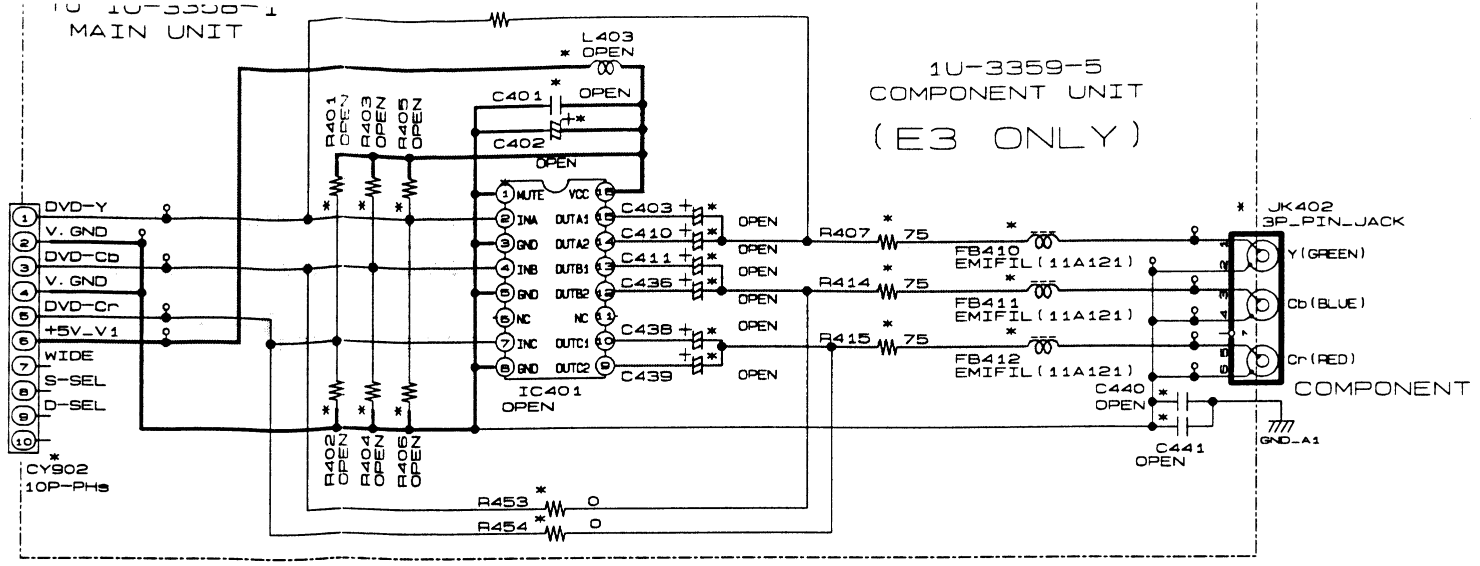

1U-3359-7
OPT UNIT
IC306 GP1F38T2
OPT OUT
IC307 GP1F37R1
OPT1 IN
IC312 GP1F37R1
OPT2 IN
C322 CK0. 1Z
C324 47/16
L301 4. 7uH
R334 4. 7K
R330 0
C323 CK0. 1Z
C325 47/16
L302 4. 7uH
R335 OPEN
R333 0
C451 0
R352 OPEN
R455 0
R456 OPEN
C466 0
R457 OPEN
IC304 TC74HCU04AF
R336 470
R351 47K
C339 CK0. 01Z
R459 OPEN
R458
C326 CK0. 01Z
C327 CK0. 01Z
IC305
SN74HC153NS MULTIPLEXER
D. IN
GND_D4
D. OUT
+5V_D4
DSEL1
DSEL2
CY061 6P-PH
TO 1U-3358-1 MAIN UNIT
ST1 STYLE-PIN

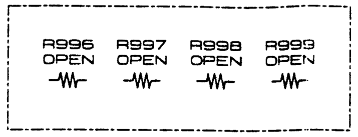
	E2
C465	OPEN
C467	1000/6. 3
R450	0
R451	OPEN
R397	4. 7K
TR309	DCT114EK
CX111	11P PH
CX102	OPEN
C361	SHORT
C364	SHORT
R386	150
R388	150
R389	150
R391	150
R393	150
R394	150

NOTICE

ALL RESISTANCE VALUES IN OHM. k=1,
ALL CAPACITANCE VALUES IN MICRO F.
EACH VOLTAGE AND CURRENT ARE ME
CONDITION.
CIRCUIT AND PARTS ARE SUBJECT TO
NOTICE.


DVD-Cr
*
CX102
OPEN
DVD-Y
V. GND
DVD-Cb
V. GND
DVD-Cr
+5V_V1
WIDE
S-SEL
D-SEL
(E2 ONLY)
C349
OPEN
*
* IC309
OPEN
(JAPAN ONLY)


1U-3358-1
MAIN UNIT
L403
* OPEN
C401
OPEN
C402
OPEN
R401 OPEN
R403 OPEN
R405 OPEN
R402 OPEN
R404 OPEN
R406 OPEN
DVD-Y
V. GND
DVD-Cb
V. GND
DVD-Cr
+5V_V1
WIDE
S-SEL
D-SEL
* CY902
10P-PHs
MUTE
VCC
INA
OUTA1
GND
OUTA2
INB
OUTB1
GND
OUTB2
NC
NC
INC
OUTC1
GND
OUTC2
IC401
OPEN
C403
C410
C411
C436
C438
C439
OPEN
R407 75
R414 75
R415 75
FB410
EMIFIL(11A121)
FB411
EMIFIL(11A121)
FB412
EMIFIL(11A121)
C440
OPEN
C441
OPEN
R453 0
R454 0
1U-3359-5
COMPONENT UNIT
(E3 ONLY)
JK402
3P_PIN_JACK
Y(GREEN)
Cb(BLUE)
Cr(RED)
COMPONENT
GND_A1


R996
OPEN
R997
OPEN
R998
OPEN
R999
OPEN

2	E3
N	CKO. 1Z
0/6.3	OPEN
	150
N	150
K	OPEN
114EK	OPEN
PH	OPEN
N	10P PH
RT	1000/6.3
RT	100/6.3
	0
	0
	0
	OPEN
	OPEN
	OPEN

+B LINE
SIGNAL LINE

IM. k=1,000 OHM M=1,000,000 OHM
ICRO FARAD. P=MICRO-MICRO FARAD
ARE MEASUERD AT MO SIGNAL INPUT

ECT TO CHANGE WITHOUT PRIOR

WARNING:
Parts marked with this symbol ⚠☐ have critical characteristics.
Use ONLY replacement parts recommended by the manufacture.

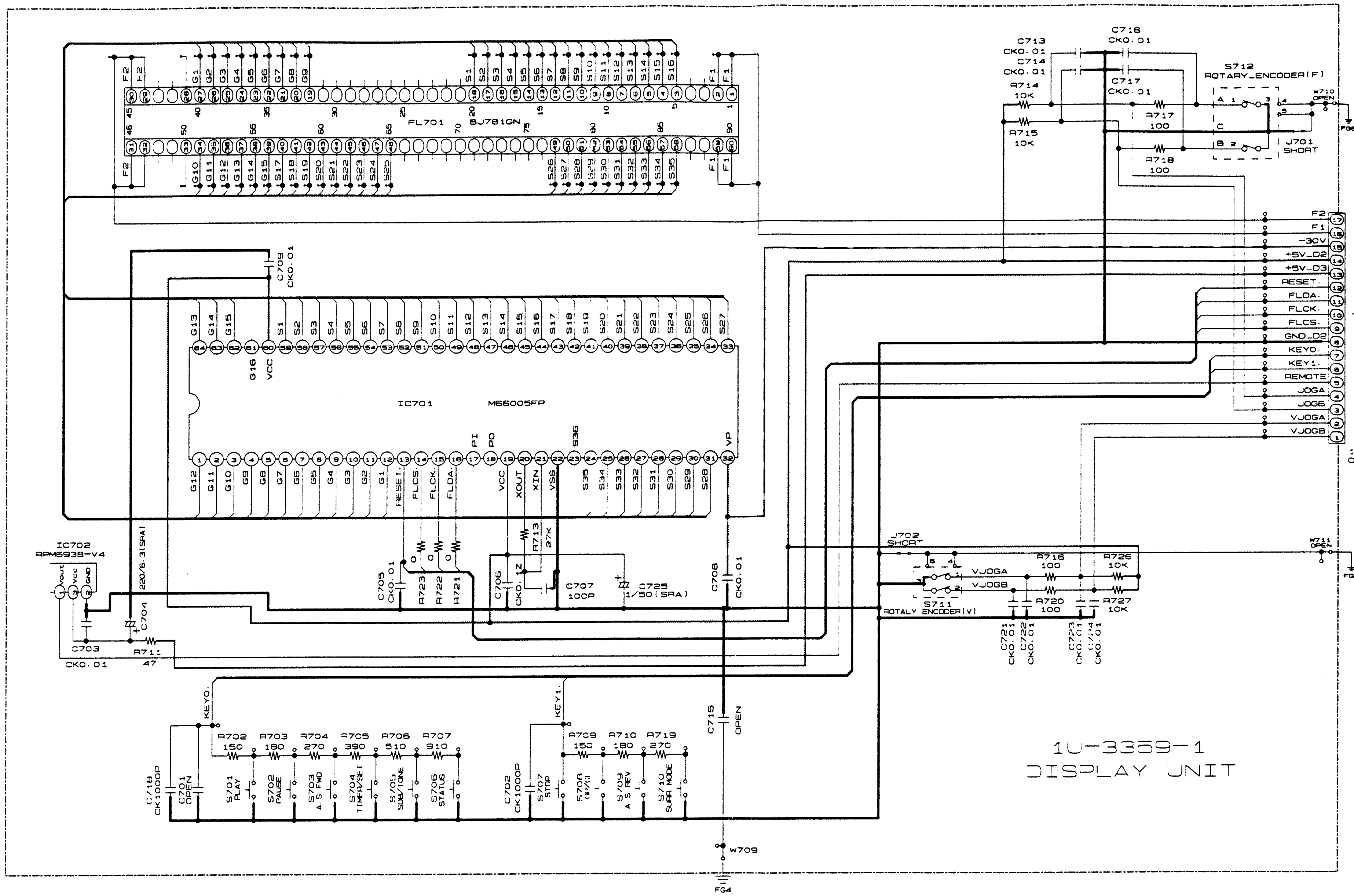
CAUTION:
Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power card is less than 460kohms, the unit is defective.

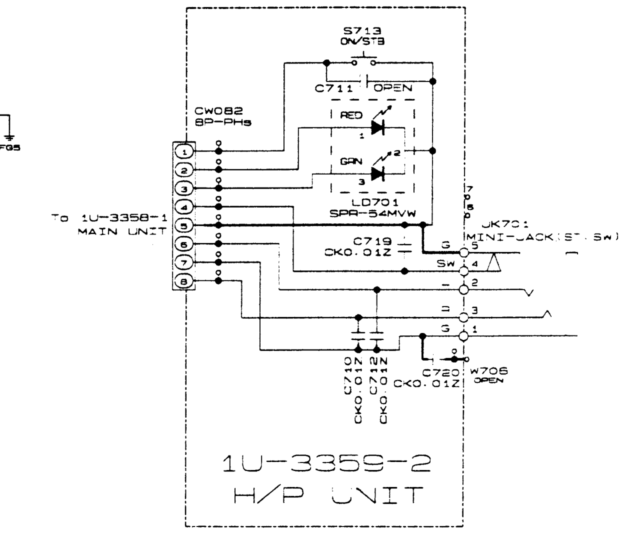
WARNING:
DO NOT return the unit to the customer until the problem is located and corrected.

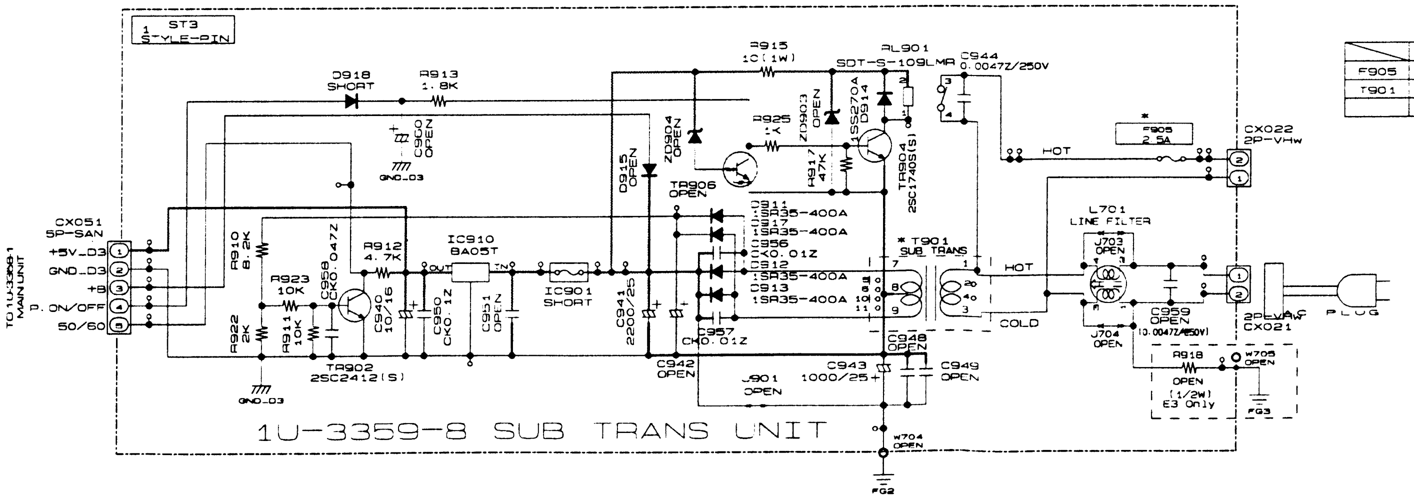
SCHEMATIC DIAGRAMS(5/8)

1U-3359-3 VIDEO UNIT
1U-3359-5 COMPONENT UNIT
1U-3359-6 SCART UNIT
1U-3359-7 OPT UNIT

SCHEMATIC DIAGRAMS(6/8)


1
2
3
4
5
6
7
8
9
10
11
A
B
C
D
E
F
G
H
FL701 BJ781GN
IC701 M66005FP
IC702 RPM6938-V4
S712 ROTARY ENCODER(F)
S711 ROTALY ENCODER(V)
J701 SHORT
J702 SHORT
VJOGA
VJOGB
F2
F1
-30V
+5V_D2
+5V_D3
RESET
FLDA
FLCK
FLCS
GND_D2
KEY0
KEY1
REMOTE
JOGA
JOGB
VJOGA
VJOGB
To 1U-3358-1 MAIN UNIT
17P-FFCs CX173
S701 PLAY
S702 PAUSE
S703 A.S.FWD
S704 TIMER/SLEEP
S705 SUB/TONE
S706 STATUS
S707 STOP
S708 INPUT
S709 A.S.REV
S710 SURR MODE
W709
FG4
1U-3359-1
DISPLAY UNIT


S713 ON/STB
C711 OPEN
CW082 8P-PHS
RED
GRN
LD701 SPR-54MVW
To 1U-3358-1 MAIN UNIT
JK701 MINI-JACK(S. SW)
C719 CK0.01Z
W705
1U-3359-2
H/P UNIT


ST3 STYLE-PIN
D918 SHORT
R913 1.8K
CX051 5P-SAN
+5V_D3
GND_D3
+B
P. ON/OFF
50/60
TO 1U-3358-1 MAIN UNIT
IC910 BA05T
IC901 SHORT
TR902 2SC2412(S)
TR904 2SC1740S(S)
TR906 OPEN
RL901 SDT-S-109LMR
C944 0.0047Z/250V
F905 2.5A
CX022 2P-VHW
HOT
COLD
T901 SUB TRANS
L701 LINE FILTER
J703 OPEN
J704 OPEN
C959 OPEN
CX021 2P-VHW
PLUG
R918 OPEN (1/2W) E3 Only
W706 OPEN
FG3
C943 1000/25
J901 OPEN
W704 OPEN
FG2
1U-3359-8 SUB TRANS UNIT

	E2	E3	J
F905	T1.6AL	2.5A/125V	4A/125V
T901	2336383004	2336384003	2330613000

——— +B LINE
– – – – -B LINE

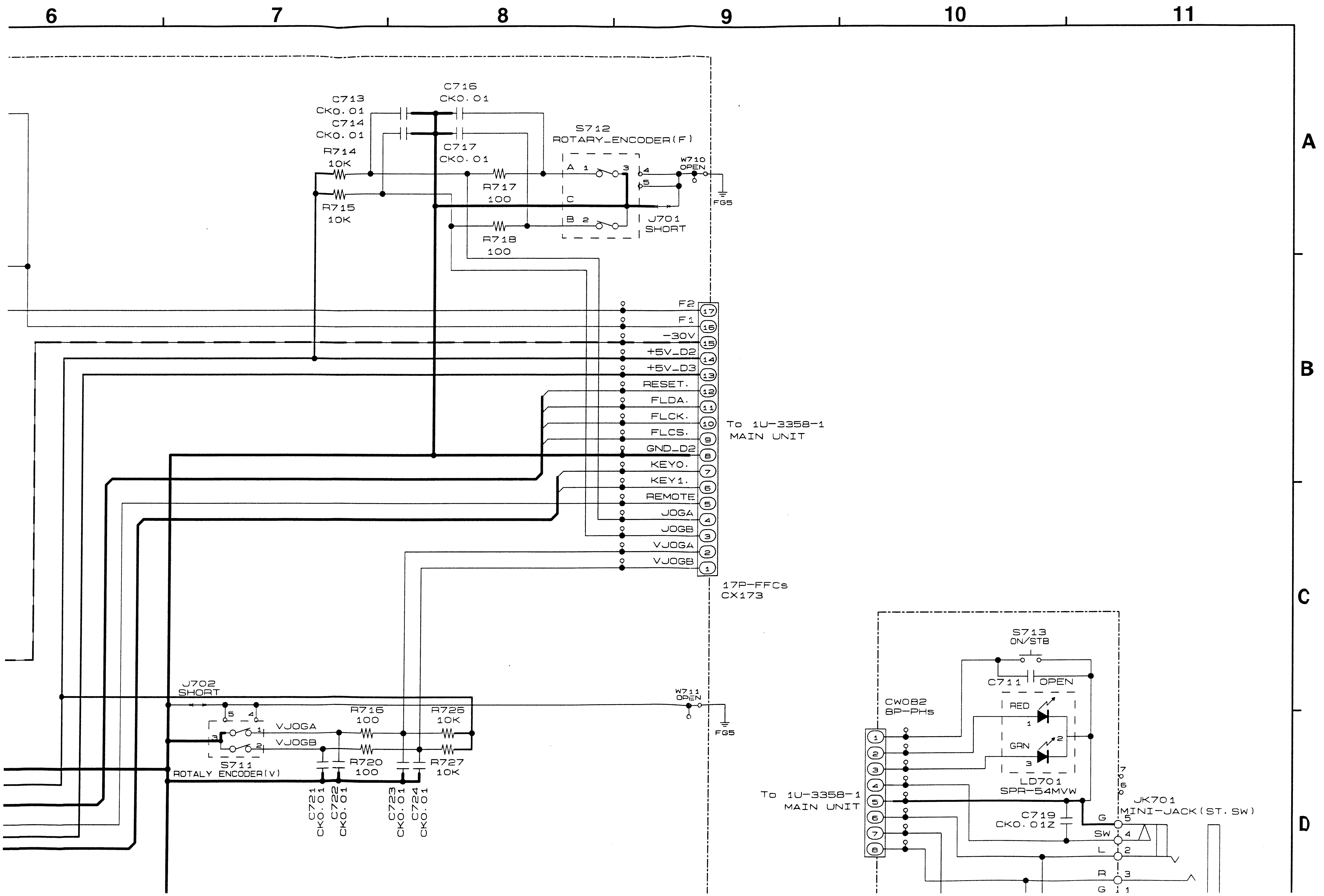
WARNING:
Parts marked with this symbol ⚠☐ have critical characteristics.
Use ONLY replacement parts recommended by the manufacture.

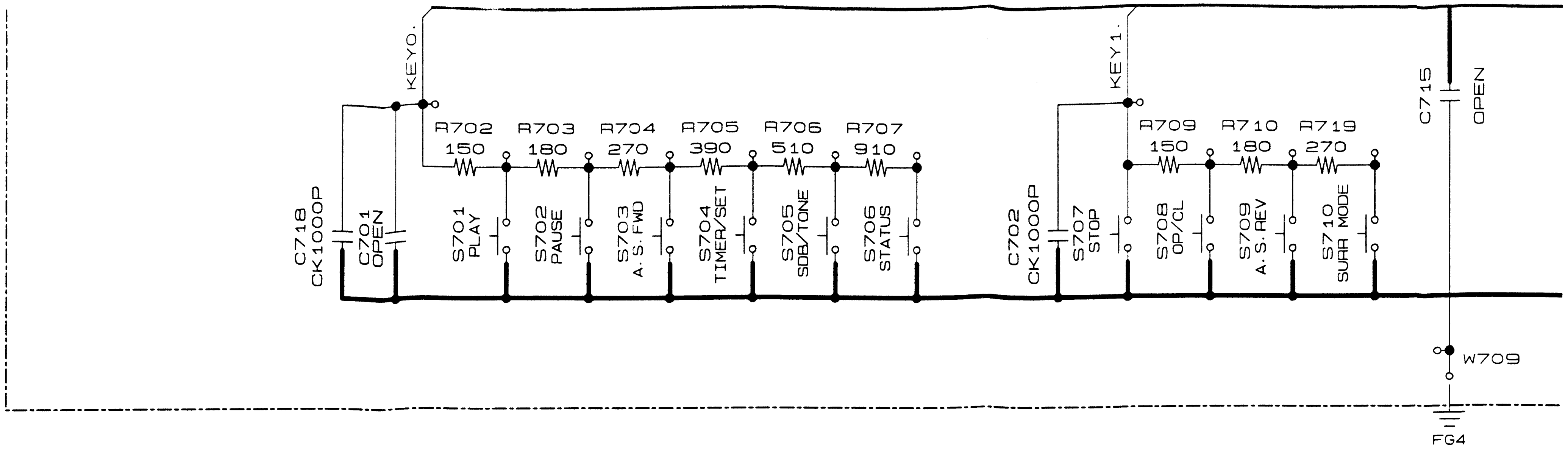
CAUTION:
Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power card is less than 460kohms, the unit is defective.

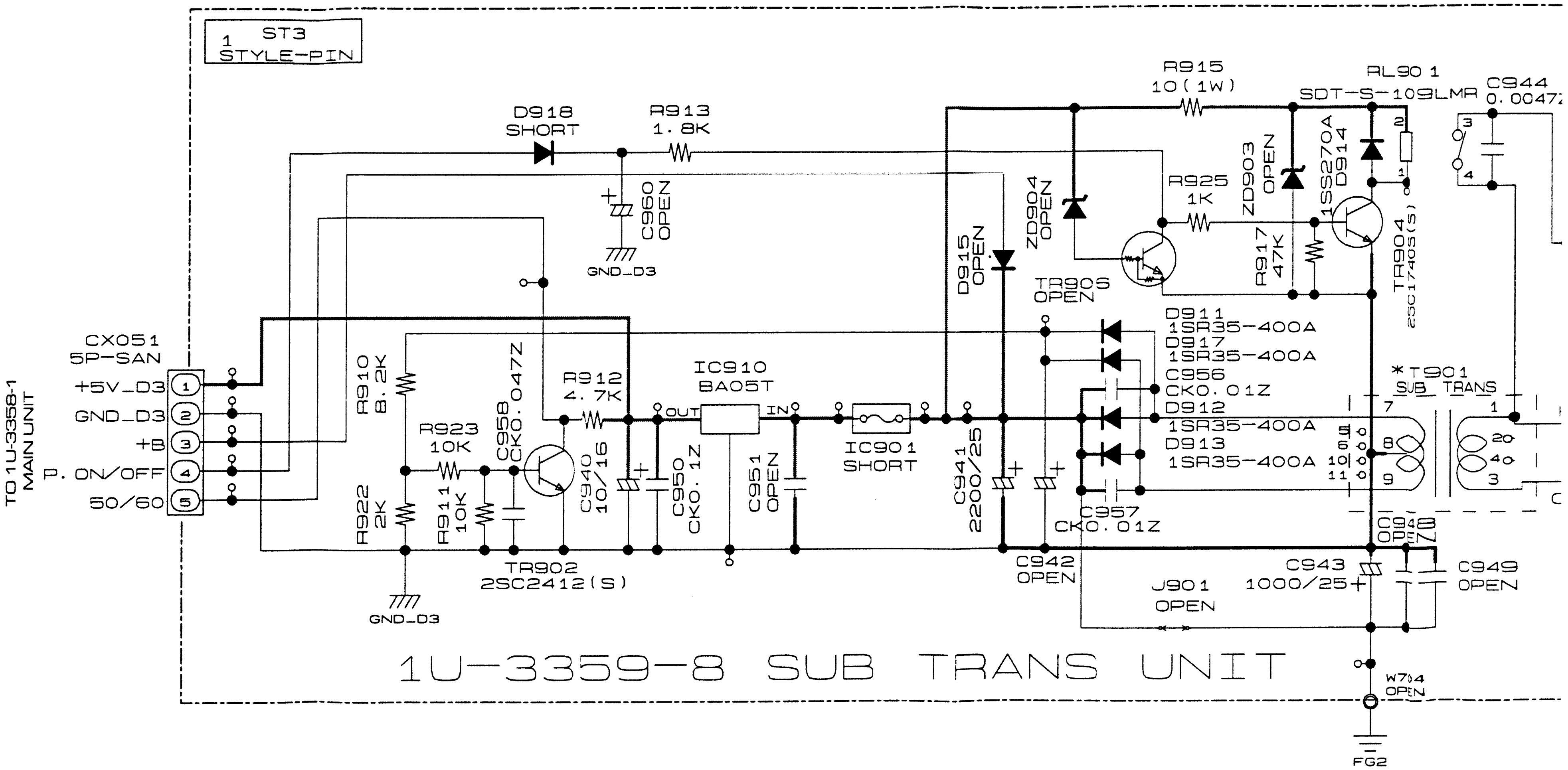
WARNING:
DO NOT return the unit to the customer until the problem is located and corrected.

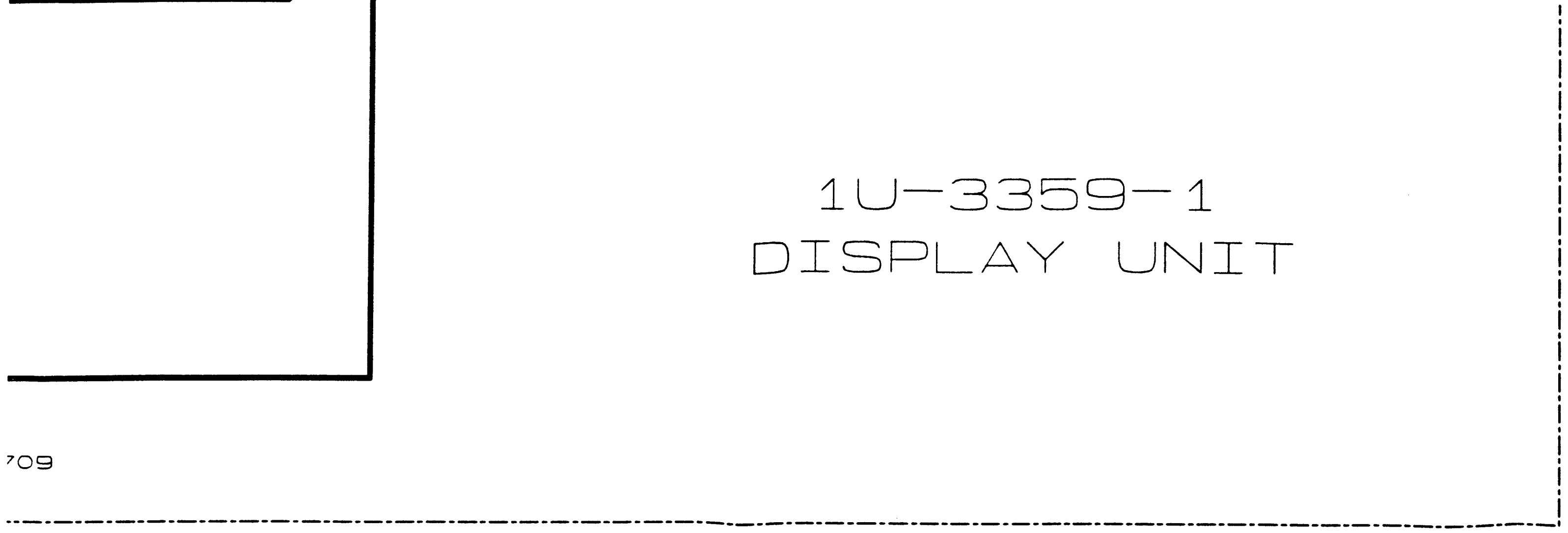
NOTICE
ALL RESISTANCE VALUES IN OHM. k=1,000 OHM M=1,000,000 OHM
ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD
EACH VOLTAGE AND CURRENT ARE MEASUERD AT MO SIGNAL INPUT CONDITION.
CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

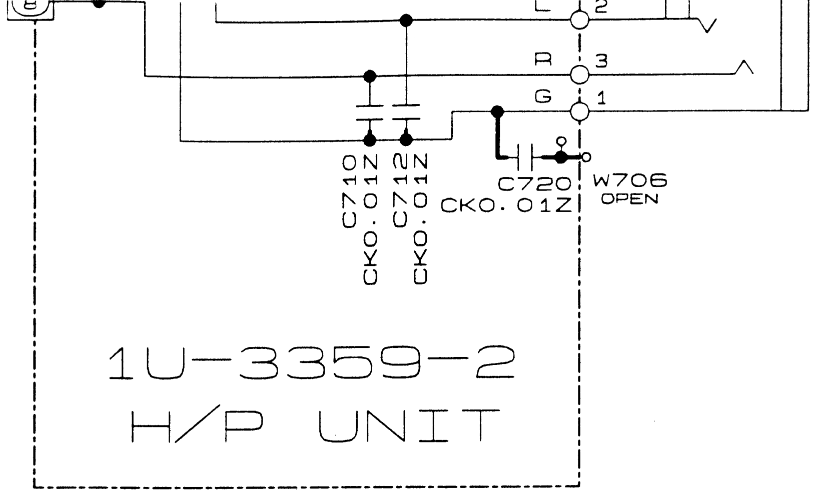
SCHEMATIC DIAGRAMS(6/8)
1U-3359-1 DISPLAY UNIT
1U-3359-2 H/P UNIT
1U-3359-8 SUB TRANS UNIT

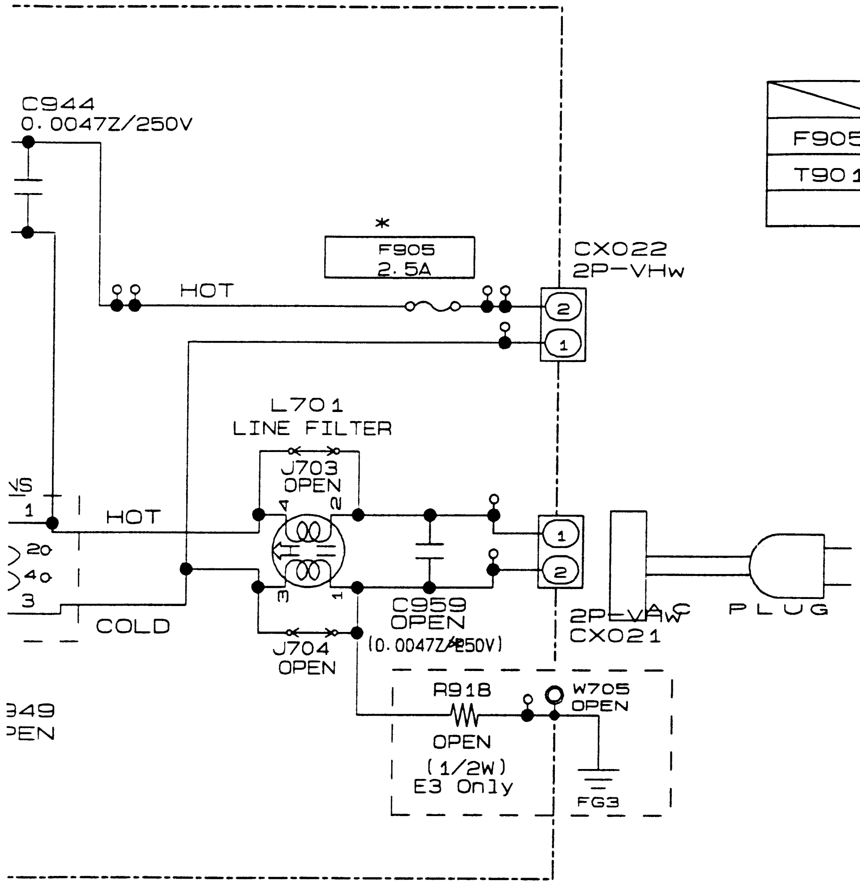

6
7
8
9
10
11
A
B
C
D
C716
CK0.01
C713
CK0.01
C714
CK0.01
C717
CK0.01
R714
10K
R715
10K
R717
100
R718
100
S712
ROTARY_ENCODER(F)
A 1 3
C
B 2
4
5
W710
OPEN
FG5
J701
SHORT
F2
F1
-30V
+5V_D2
+5V_D3
RESET.
FLDA.
FLCK.
FLCS.
GND_D2
KEY0.
KEY1.
REMOTE
JOGA
JOGB
VJOGA
VJOGB
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
To 1U-3358-1
MAIN UNIT
17P-FFCs
CX173
J702
SHORT
W711
OPEN
FG5
5 4
3
1
2
VJOGA
VJOGB
S711
ROTALY ENCODER(V)
R716
100
R725
10K
R720
100
R727
10K
C721
CK0.01
C722
CK0.01
C723
CK0.01
C724
CK0.01
S713
ON/STB
C711
OPEN
RED
1
GRN
2
3
LD701
SPR-54MVW
CW082
8P-PHs
1
2
3
4
5
6
7
8
To 1U-3358-1
MAIN UNIT
C719
CK0.01Z
JK701
MINI-JACK(ST.SW)
7
6
G 5
SW 4
L 2
R 3
G 1


KEY0.
KEY1.
R702 150
R703 180
R704 270
R705 390
R706 510
R707 910
R709 150
R710 180
R719 270
C718 CK1000P
C701 OPEN
S701 PLAY
S702 PAUSE
S703 A.S.FWD
S704 TIMER/SET
S705 SDB/TONE
S706 STATUS
C702 CK1000P
S707 STOP
S708 OP/CL
S709 A.S.REV
S710 SURR MODE
C715 OPEN
W709
FG4


1 ST3 STYLE-PIN
TO 1U-3358-1 MAIN UNIT
CX051 5P-SAN
+5V_D3 1
GND_D3 2
+B 3
P. ON/OFF 4
50/60 5
D918 SHORT
R913 1.8K
C960 OPEN
GND_D3
R910 8.2K
R923 10K
R922 2K
R911 10K
C958 CK0.047Z
TR902 2SC2412(S)
R912 4.7K
C940 10/16
C950 CK0.1Z
IC910 BA05T
OUT
IN
C951 OPEN
IC901 SHORT
C941 2200/25
D915 OPEN
ZD904 OPEN
TR905 OPEN
R915 10(1W)
R925 1K
R917 47K
ZD903 OPEN
1SS270A D914
TR904 2SC1740S(S)
RL901 SDT-S-109LMR
C944 0.0047Z
D911 1SR35-400A
D917 1SR35-400A
C956 CK0.01Z
D912 1SR35-400A
D913 1SR35-400A
C957 CK0.01Z
C942 OPEN
*T901 SUB TRANS
C943 1000/25
C949 OPEN
J901 OPEN
W704 OPEN
FG2
1U-3359-8 SUB TRANS UNIT


1U-3359-1
DISPLAY UNIT
709


L 2
R 3
G 1
C710 CK0.01Z
C712 CK0.01Z
C720 CK0.01Z
W706 OPEN
1U-3359-2
H/P UNIT


C944
0.0047Z/250V
HOT
*
F905
2.5A
CX022
2P-VHw
L701
LINE FILTER
J703
OPEN
HOT
1
2
4
3
COLD
C959
OPEN
(0.0047Z/250V)
J704
OPEN
2P-VHw
CX021
PLUG
R918
W705
OPEN
OPEN
(1/2W)
E3 Only
FG3
949
OPEN

	E2	E3	J
F905	T1.6AL	2.5A/125V	4A/125V
T901	2336383004	2336384003	2330613000

———— +B LINE

– – – – –B LINE

WARNING:

Parts marked with this symbol ⚠☐ have critical characteristics.
Use ONLY replacement parts recommended by the manufacture.

CAUTION:

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WARNING:

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NOTICE

ALL RESISTANCE VALUES IN OHM. k=1,000 OHM M=1,000,000 OHM
ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD
EACH VOLTAGE AND CURRENT ARE MEASUERD AT MO SIGNAL INPUT CONDITION.
CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

SCHEMATIC DIAGRAMS(6/8)

1U-3359-1 DISPLAY UNIT
1U-3359-2 H/P UNIT
1U-3359-8 SUB TRANS UNIT

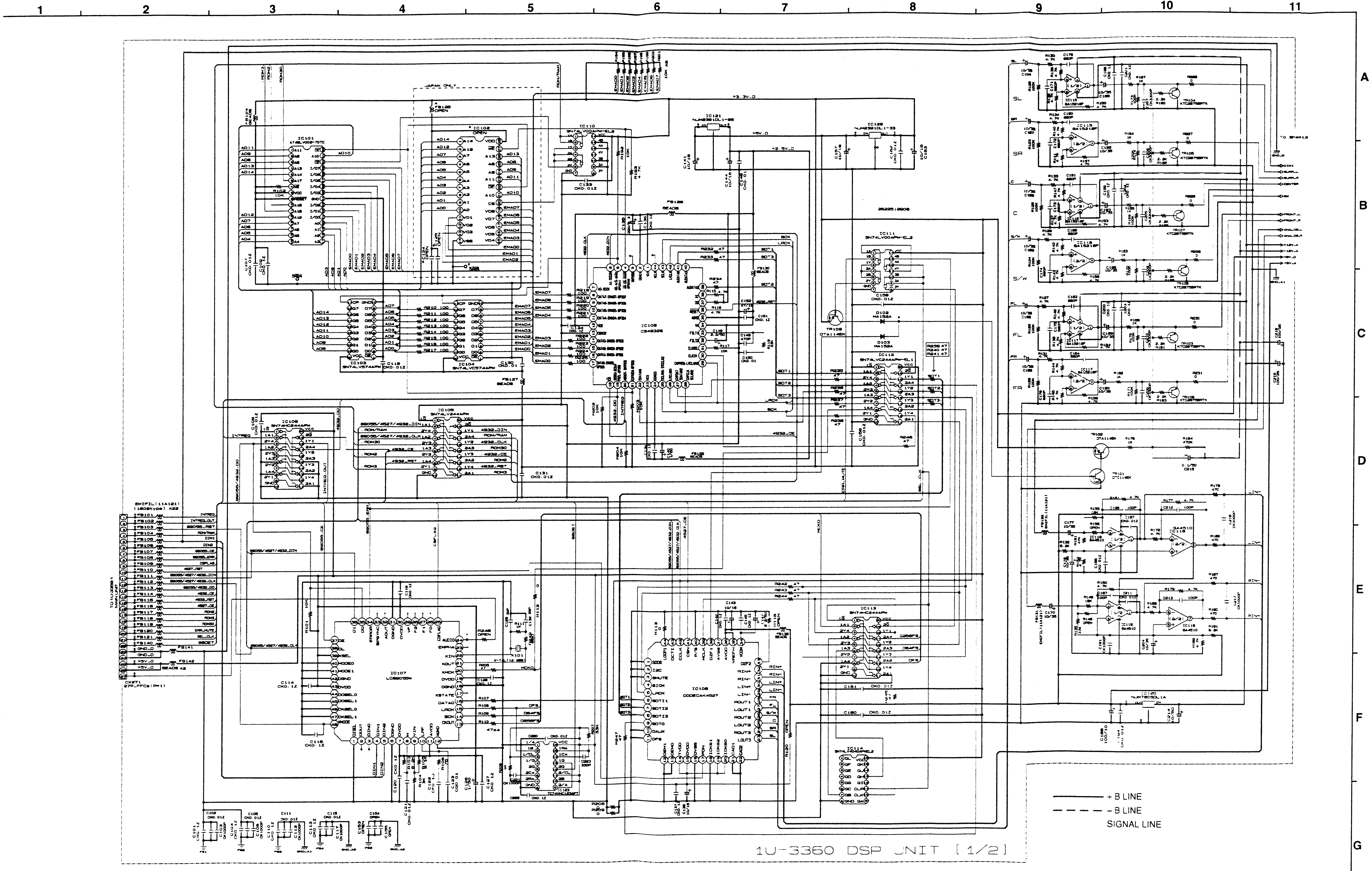
E

F

G

H

SCHEMATIC DIAGRAMS(7/8)


1
2
3
4
5
6
7
8
9
10
11
A
B
C
D
E
F
G
IC101
IC102
IC103
IC104
IC105
IC106
IC107 LC89050W
IC108 CS4932S
IC109 CODEC AK4527
IC110 SN74LV00APW-EL2
IC111 SN74LV00APW-EL2
IC112 SN74LVC244APW-EL1
IC113 SN74HC244APW
IC114
IC115
IC116
IC117
IC118
IC119
IC120 NJM78O5DL1A
IC121 NJM2391DL1-25
IC128 NJM2391DL1-33
JAPAN ONLY
+3.3V_D
+5V_D
+2.5V_D
SL
SR
C
S/W
FL
FR
TO Sheet2
EMIFIL(11A121)(1608type) X22
CX271 27P_FFCs(P=1)
+B LINE
-B LINE
SIGNAL LINE
1U-3360 DSP UNIT [1/2]

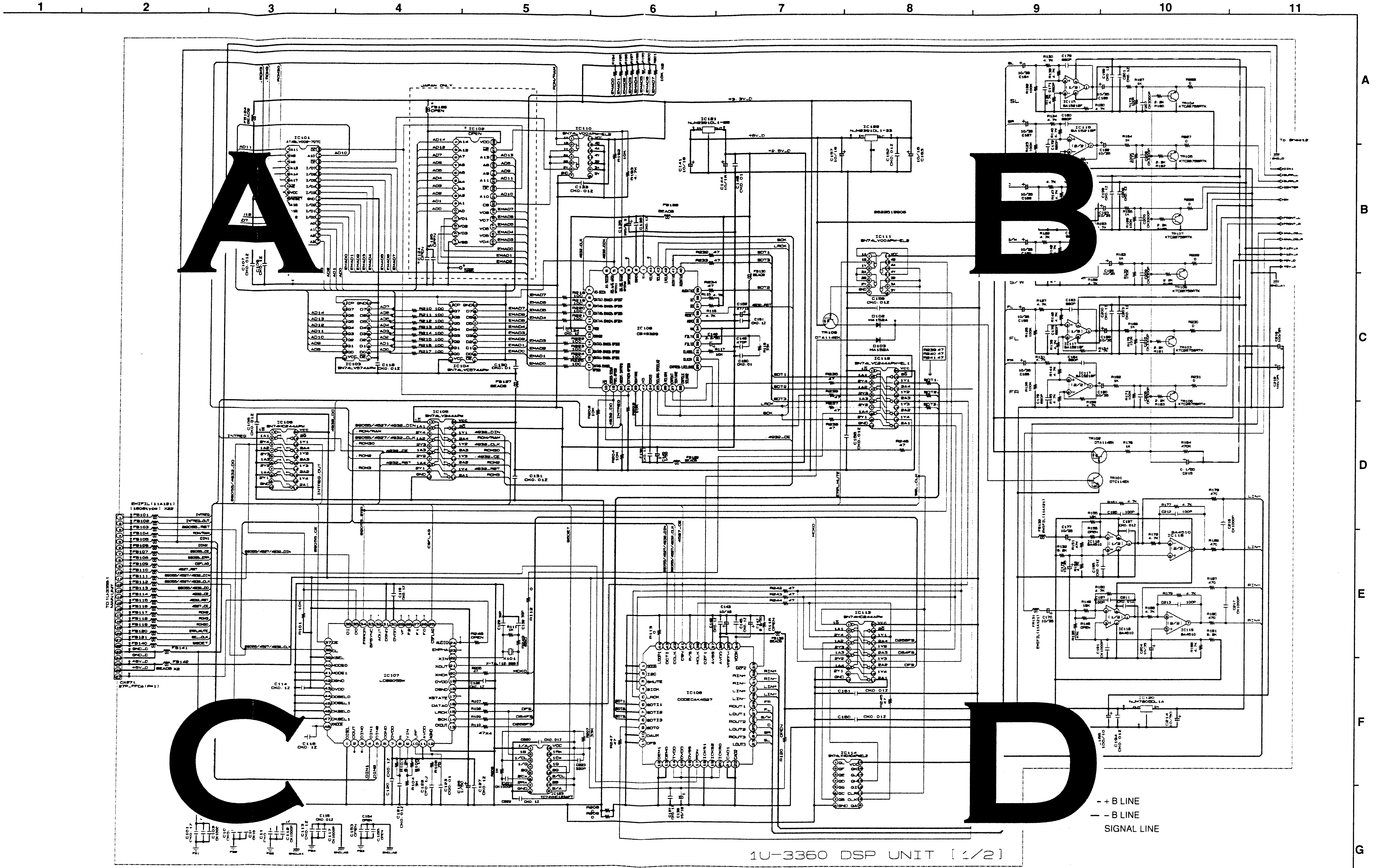
NOTICE
ALL RESISTANCE VALUES IN OHM. k=1,000 OHM M=1,000,000 OHM
ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD
EACH VOLTAGE AND CURRENT ARE MEASUERD AT MO SIGNAL INPUT CONDITION.
CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

WARNING:
Parts marked with this symbol ⚠☐ have critical characteristics.
Use ONLY replacement parts recommended by the manufacture.

CAUTION:
Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power card is less than 460kohms, the unit is defective.

WARNING:
DO NOT return the unit to the customer until the problem is located and corrected.

SCHEMATIC DIAGRAMS(7/8)
1U-3360 DSP UNIT (1/2)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A
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C
D
E
F
G
H
A
B
C
D
IC107
LC89050W
IC108
CODEC AK4527
SL
SR
FL
FR
To Sheet 8
- + B LINE
— - B LINE
SIGNAL LINE
1U-3360 DSP UNIT [1/2]

NOTICE
ALL RESISTANCE VALUES IN OHM. k=1,000 OHM M=1,000,000 OHM
ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD
EACH VOLTAGE AND CURRENT ARE MEASUERD AT MO SIGNAL INPUT CONDITION.
CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

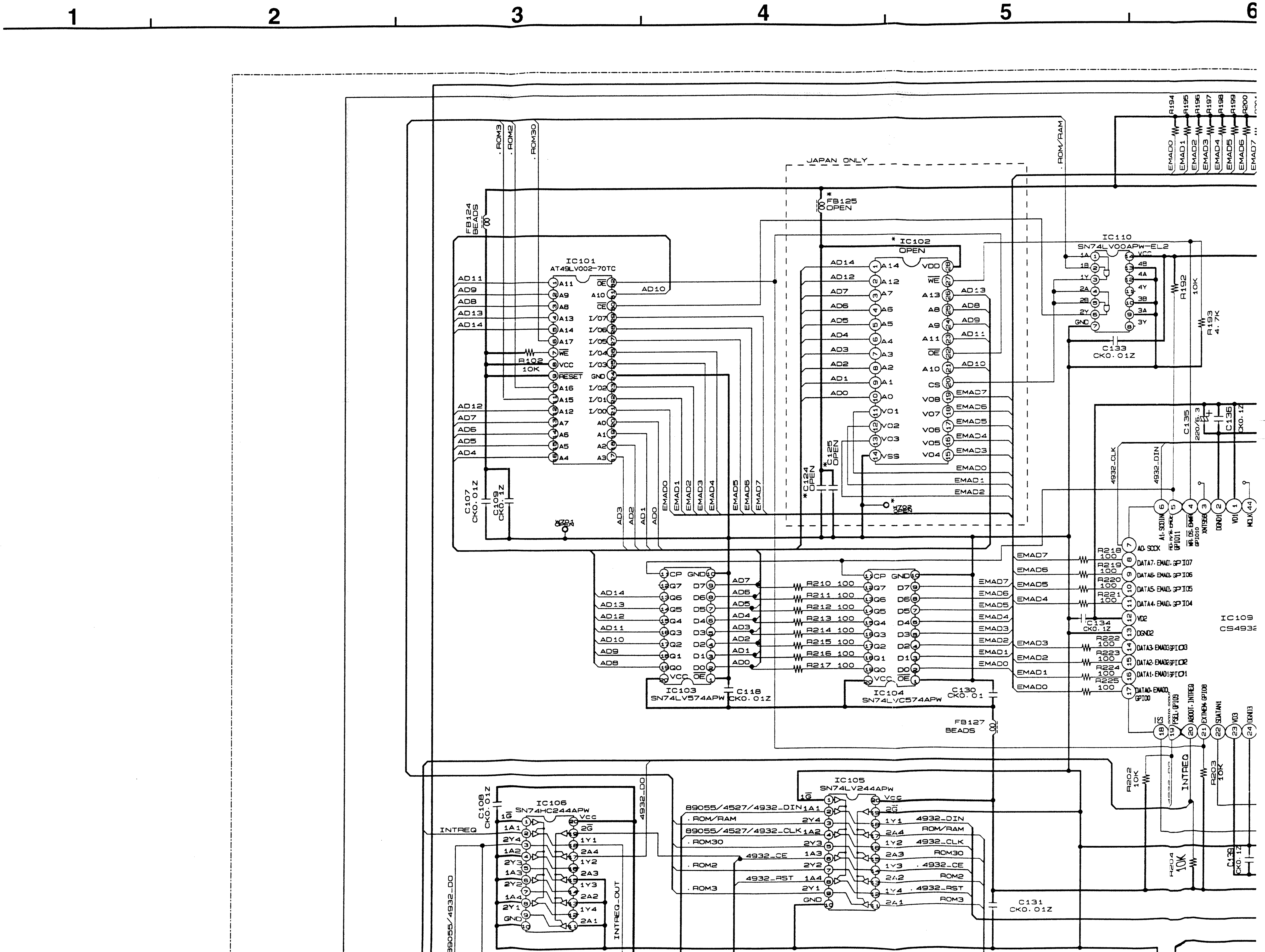
WARNING:
Parts marked with this symbol ⚠☐ have critical characteristics.
Use ONLY replacement parts recommended by the manufacture.

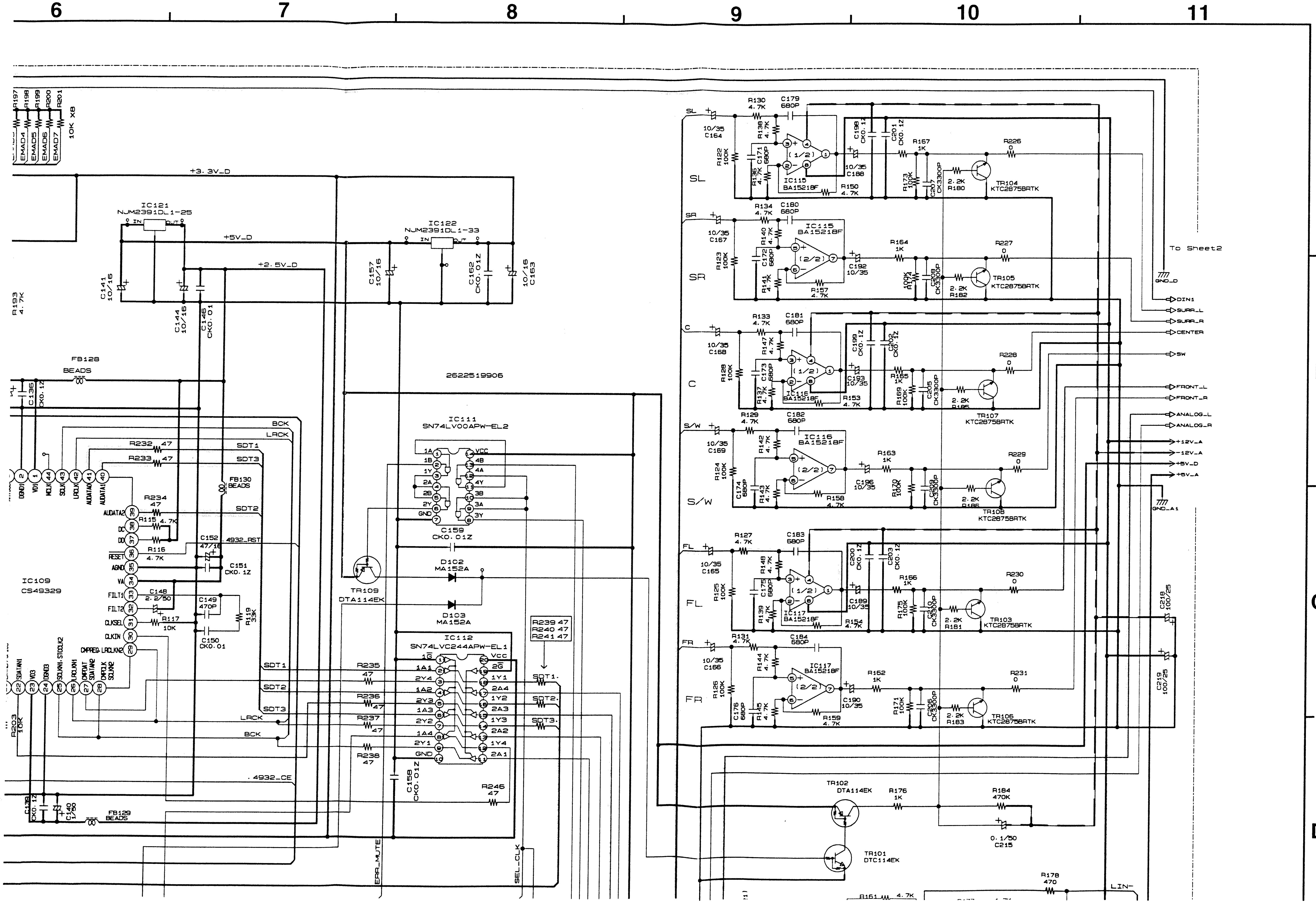
CAUTION:
Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power card is less than 460kohms, the unit is defective.

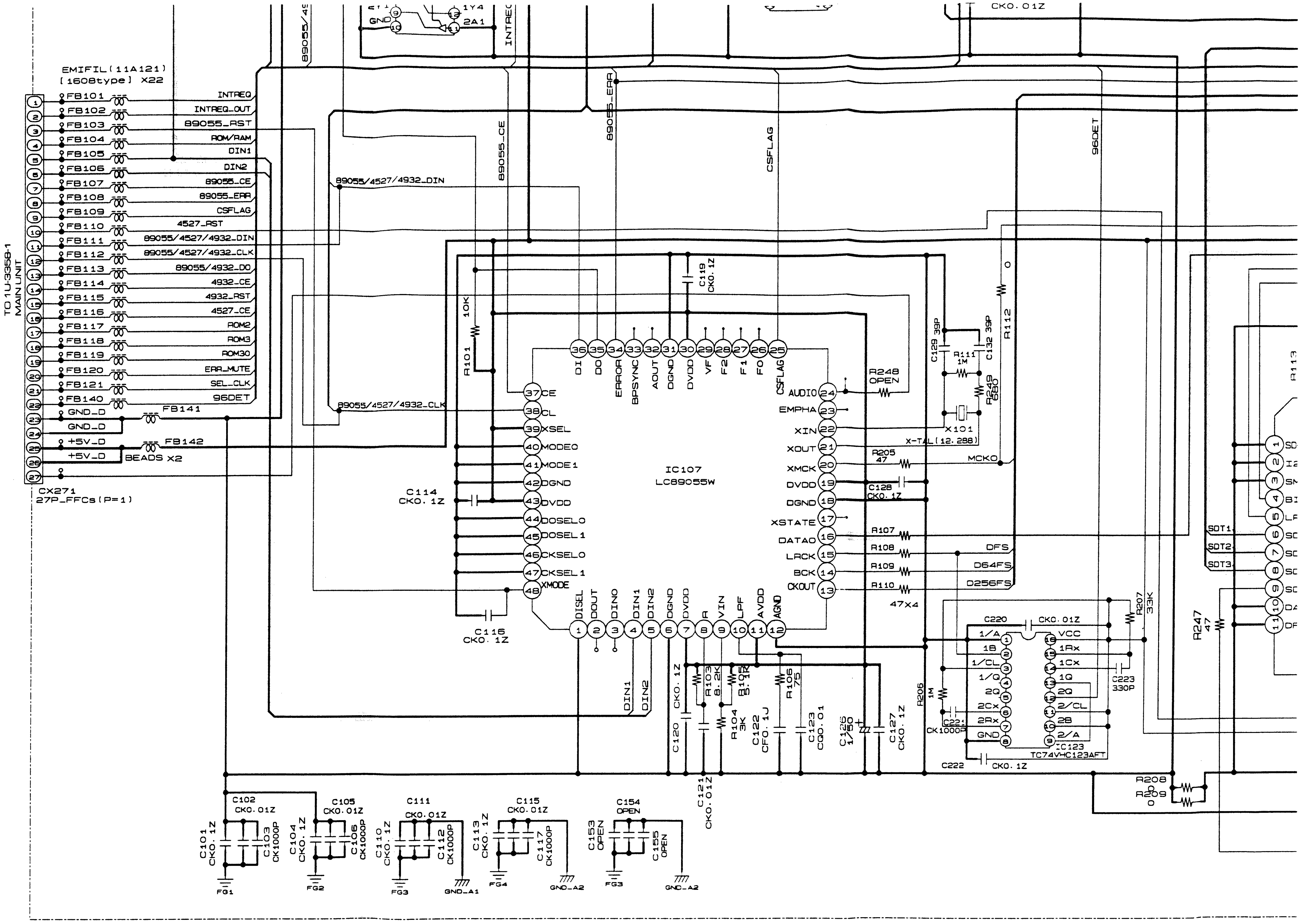
WARNING:
DO NOT return the unit to the customer until the problem is located and corrected.

SCHEMATIC DIAGRAMS(7/8)
1U-3360 DSP UNIT (1/2)

SCHEMATIC DIAGRAMS(7/8)


1
2
3
4
5
6
IC101
AT49LV002-70TC
IC102
OPEN
JAPAN ONLY
FB124
BEADS
FB125
OPEN
IC103
SN74LV574APW
IC104
SN74LVC574APW
IC105
SN74LV244APW
IC106
SN74HC244APW
IC109
CS4932
IC110
SN74LV00APW-EL2
R102
10K
R192
10K
R193
4.7K
R202
10K
R203
10K
R204
10K
R210 100
R211 100
R212 100
R213 100
R214 100
R215 100
R216 100
R217 100
R218 100
R219 100
R220 100
R221 100
R222 100
R223 100
R224 100
R225 100
C107
CK0.01Z
C108
CK0.01Z
C109
CK0.1Z
C118
CK0.01Z
C124
OPEN
C125
OPEN
C130
CK0.01
C131
CK0.01Z
C133
CK0.01Z
C134
CK0.1Z
C135
220/6.3
C136
CK0.1Z
FB127
BEADS
.ROM3
.ROM2
.ROM30
.ROM/RAM
INTREQ
INTREQ_OUT
4932_DO
89055/4527/4932_DO
89055/4527/4932_DIN
89055/4527/4932_CLK
4932_DIN
4932_CLK
4932_CE
4932_RST
ROM/RAM
ROM30
EMAD0
EMAD1
EMAD2
EMAD3
EMAD4
EMAD5
EMAD6
EMAD7
AD0
AD1
AD2
AD3
AD4
AD5
AD6
AD7
AD8
AD9
AD10
AD11
AD12
AD13
AD14
R194
R195
R196
R197
R198
R199
R200


6
7
8
9
10
11
A
B
C
D
R197
R198
R199
R200
R201
10K X8
EMAD4
EMAD5
EMAD6
EMAD7
+3.3V_D
IC121
NJM2391DL1-25
IN
OUT
+5V_D
+2.5V_D
IC122
NJM2391DL1-33
C141 10/16
C144 10/16
C146 CK0.01
C157 10/16
C152 CK0.01Z
C163 10/16
R193 4.7K
FB128
BEADS
C136 CK0.1Z
2622519906
IC111
SN74LV00APW-EL2
IC109
CS49329
BCK
LRCK
SDT1
SDT3
SDT2
R232 47
R233 47
R234 47
R115 4.7K
R116 4.7K
R117 10K
R119 33K
FB130 BEADS
C152 47/16
C151 CK0.1Z
C148 2.2/50
C149 470P
C150 CK0.01
4932_RST
AUDATA2
DC
DD
RESET
AGND
VA
FILT1
FILT2
CLKSEL
CLKIN
CMPREQ·LRCLKN2
SDATAN1
VD3
DGND3
SCLKN1·STCCLK2
LRCLKN1
CMPDAT·SDATAN2
CMPCLK·SCLKN2
DGND1
VD1
MCLK
SCLK
LRCLK
AUDATA0
AUDATA1
1A
1B
1Y
2A
2B
2Y
GND
VCC
4B
4A
4Y
3B
3A
3Y
C159 CK0.01Z
D102 MA152A
D103 MA152A
TR109 DTA114EK
IC112
SN74LVC244APW-EL1
1G
1A1
2Y4
1A2
2Y3
1A3
2Y2
1A4
2Y1
2G
1Y1
2A4
1Y2
2A3
1Y3
2A2
1Y4
2A1
R235 47
R236 47
R237 47
R238 47
R239 47
R240 47
R241 47
R246 47
C158 CK0.01Z
R203 10K
4932_CE
C139 CK0.1Z
C140 1/50
FB129 BEADS
ERR_MUTE
SEL_CLK
SL
SR
C
S/W
FL
FR
R130 4.7K
C179 680P
C164 10/35
R122 100K
R138 4.7K
C171 680P
R136 4.7K
IC115 BA15218F
(1/2)
(2/2)
C198 CK0.1Z
C201 CK0.1Z
C188 10/35
R150 4.7K
R167 1K
R173 100K
C207 CK3300P
R180 2.2K
R226 0
TR104 KTC2875BRTK
R134 4.7K
C180 680P
C167 10/35
R123 100K
R140 4.7K
C172 680P
R141 4.7K
R157 4.7K
C192 10/35
R164 1K
R172 100K
C208 CK3300P
R182 2.2K
R227 0
TR105 KTC2875BRTK
To Sheet2
GND_D
DIN1
SURR_L
SURR_R
CENTER
SW
FRONT_L
FRONT_R
ANALOG_L
ANALOG_R
+12V_A
-12V_A
+5V_D
+5V_A
GND_A1
R133 4.7K
C181 680P
C168 10/35
R128 100K
R147 4.7K
C173 680P
R137 4.7K
IC116 BA15218F
C199 CK0.1Z
C202 CK0.1Z
C193 10/35
R153 4.7K
R165 1K
R169 100K
C205 CK3300P
R185 2.2K
R228 0
TR107 KTC2875BRTK
R129 4.7K
C182 680P
C169 10/35
R124 100K
R142 4.7K
C174 680P
R143 4.7K
R158 4.7K
C196 10/35
R163 1K
R170 100K
C209 CK3300P
R186 2.2K
R229 0
TR108 KTC2875BRTK
R127 4.7K
C183 680P
C165 10/35
R125 100K
R148 4.7K
C175 680P
R139 4.7K
IC117 BA15218F
C200 CK0.1Z
C203 CK0.1Z
C189 10/35
R154 4.7K
R166 1K
R175 100K
C210 CK3300P
R181 2.2K
R230 0
TR103 KTC2875BRTK
R131 4.7K
C184 680P
C166 10/35
R126 100K
R144 4.7K
C176 680P
R145 4.7K
R159 4.7K
C190 10/35
R162 1K
R171 100K
C206 CK3300P
R183 2.2K
R231 0
TR106 KTC2875BRTK
C218 100/25
C219 100/25
TR102 DTA114EK
R176 1K
R184 470K
C215 0.1/50
TR101 DTC114EK
R178 470
LIN-
R161 4.7K


EMIFIL(11A121)
[1608type] X22
FB101 … FB121, FB140
INTREQ
INTREQ_OUT
89055_RST
ROM/RAM
DIN1
DIN2
89055_CE
89055_ERR
CSFLAG
4527_RST
89055/4527/4932_DIN
89055/4527/4932_CLK
89055/4932_DO
4932_CE
4932_RST
4527_CE
ROM2
ROM3
ROM30
ERR_MUTE
SEL_CLK
96DET
GND_D
+5V_D
FB141
FB142
BEADS X2
TO 1U-3358-1
MAIN UNIT
CX271
27P_FFCs(P=1)
IC107
LC89055W
CE
CL
XSEL
MODE0
MODE1
DGND
DVDD
DOSEL0
DOSEL1
CKSEL0
CKSEL1
XMODE
DI
DO
ERROR
BPSYNC
AOUT
DGND
DVDD
VF
F2
F1
F0
CSFLAG
AUDIO
EMPHA
XIN
XOUT
XMCK
DVDD
DGND
XSTATE
DATAO
LRCK
BCK
CKOUT
DISEL
DOUT
DIN0
DIN1
DIN2
DGND
DVDD
R
VIN
LPF
AVDD
AGND
C114 CK0.1Z
C116 CK0.1Z
C119 CK0.1Z
R101 10K
R248 OPEN
R205 47
C128 CK0.1Z
R107
R108
R109
R110
47x4
DFS
D64FS
D256FS
MCKO
X101
X-TAL(12.288)
C129 39P
C132 39P
R111 1M
R249 680
R112 0
96DET
C120 CK0.1Z
C121 CK0.01Z
R103 8.2K
R104 3K
R105 5.1K
R106 75
C122 CF0.1J
C123 CQ0.01
C126 1/50
C127 CK0.1Z
R206 1M
C220 CKC.01Z
C221 CK1000P
C222 CK0.1Z
C223 330P
R207 33K
IC123
TC74VHC123AFT
1/A
1B
1/CL
1/Q
2Q
2Cx
2Rx
GND
VCC
1Rx
1Cx
1Q
2Q
2/CL
2B
2/A
R247 47
R208 0
R209 0
SDT1
SDT2
SDT3
C101 CK0.1Z
C102 CK0.01Z
C103 CK1000P
C104 CK0.1Z
C105 CK0.01Z
C106 CK1000P
C110 CK0.1Z
C111 CK0.01Z
C112 CK1000P
C113 CK0.1Z
C115 CK0.01Z
C117 CK1000P
C153 OPEN
C154 OPEN
C155 OPEN
FG1
FG2
FG3
FG4
GND_A1
GND_A2
CK0.01Z

NOTICE

ALL RESISTANCE VALUES IN OHM. k=1,000

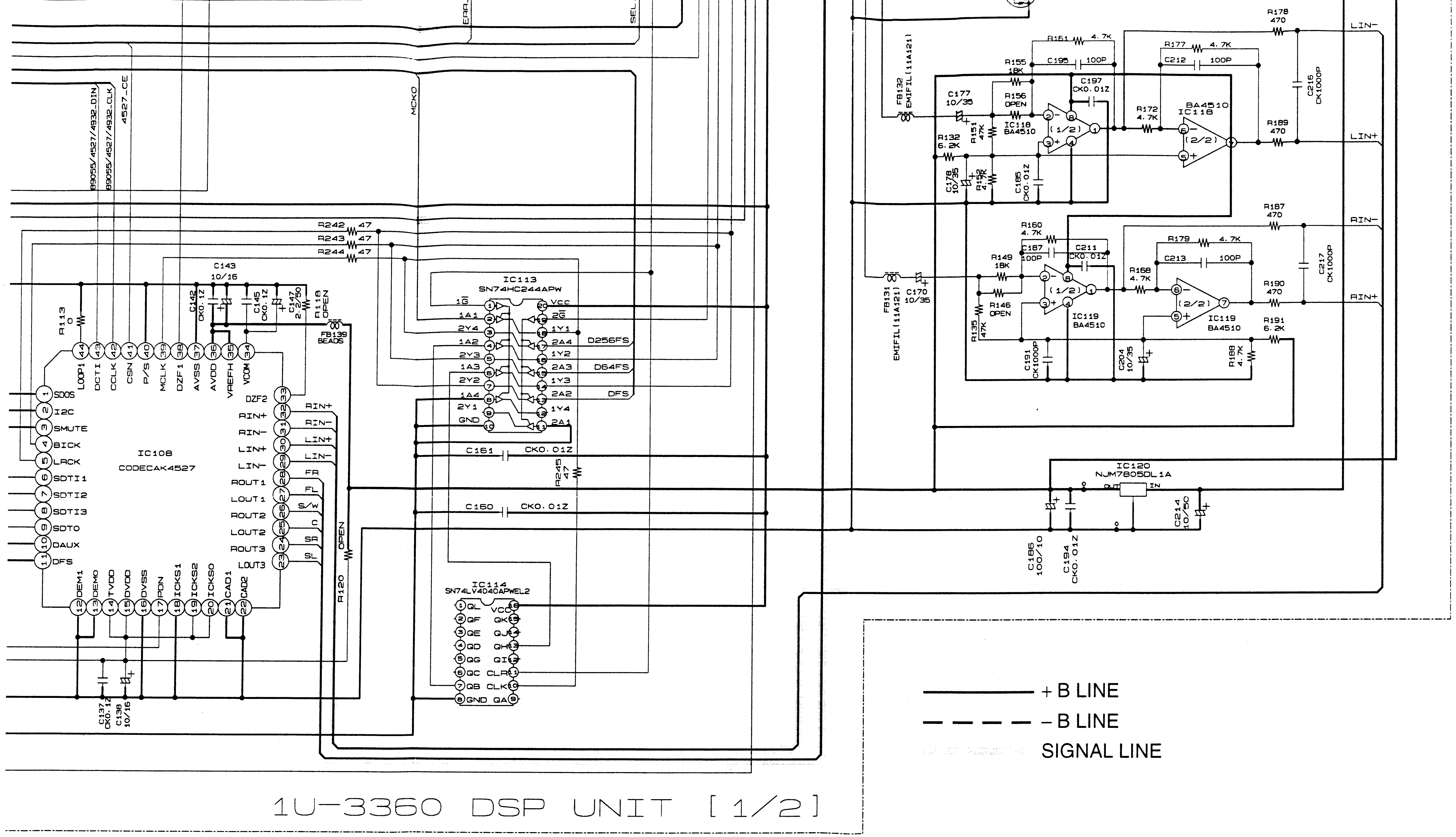
ALL CAPACITANCE VALUES IN MICRO FAR

EACH VOLTAGE AND CURRENT ARE MEAS

CONDITION.

CIRCUIT AND PARTS ARE SUBJECT TO CH

NOTICE.


1U-3360 DSP UNIT [1/2]
IC108
CODECAK4527
IC113
SN74HC244APW
IC114
SN74LV4040APWEL2
IC118
BA4510
IC119
BA4510
IC120
NJM7805DL1A
FB131
EMIFIL(11A121)
FB132
EMIFIL(11A121)
FB139
BEADS
89055/4527/4932_DIN
89055/4527/4932_CLK
4527_CE
MCKO
D256FS
D64FS
DFS
LIN−
LIN+
RIN−
RIN+
R242 47
R243 47
R244 47
R245 47
C143 10/16
C160 CK0.01Z
C161 CK0.01Z
R120 OPEN
C186 100/10
C194 CK0.01Z
C214 10/50
C137 CK0.1Z
C138 10/16
+ B LINE
– B LINE
SIGNAL LINE

k=1,000 OHM M=1,000,000 OHM

RO FARAD. P=MICRO-MICRO FARAD

E MEASUERD AT MO SIGNAL INPUT

TO CHANGE WITHOUT PRIOR

WARNING:

Parts marked with this symbol ⚠☐ have critical characteristics.
Use ONLY replacement parts recommended by the manufacture.

CAUTION:

Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power card is less than 460kohms, the unit is defective.

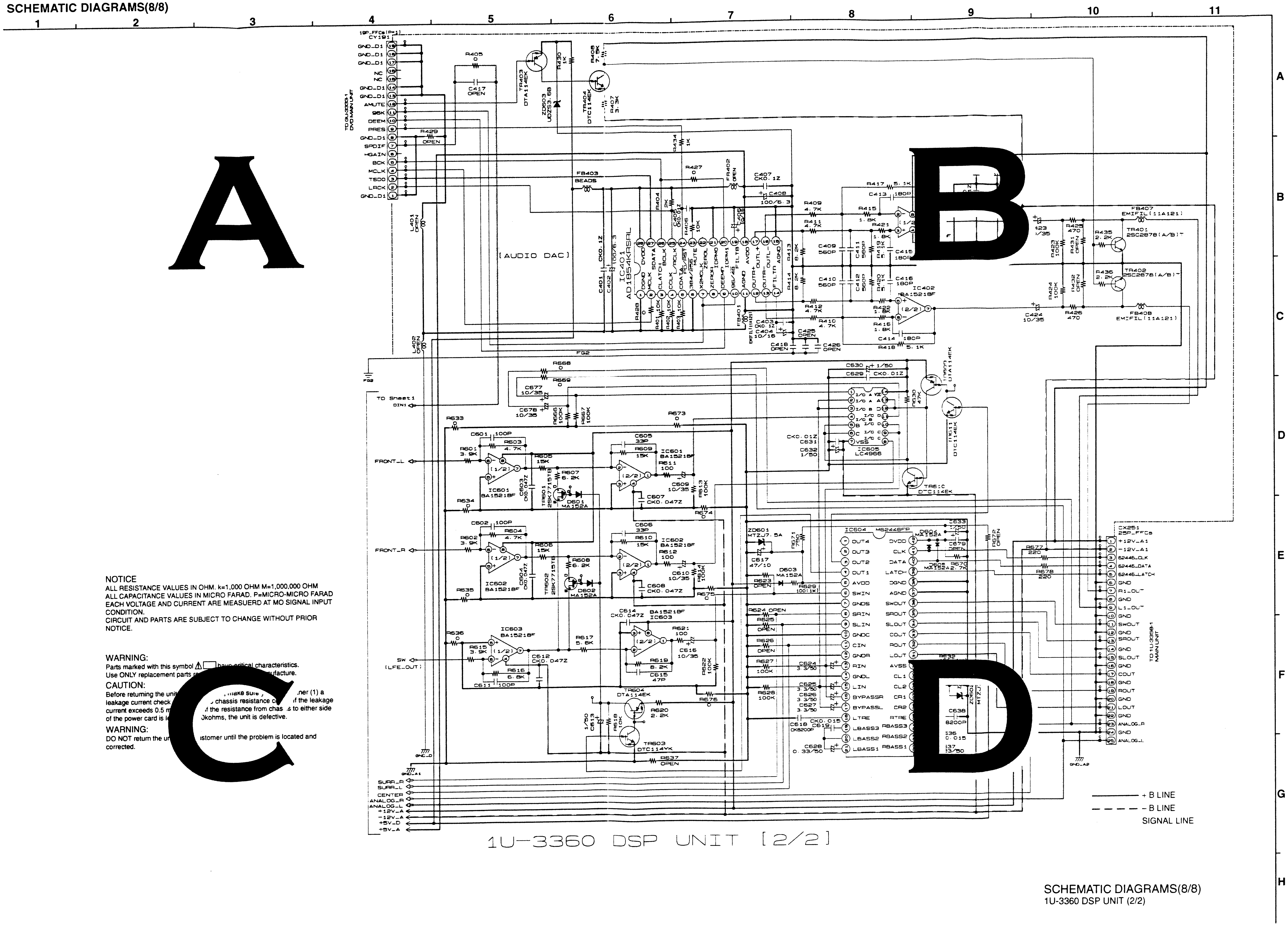
WARNING:

DO NOT return the unit to the customer until the problem is located and corrected.

SCHEMATIC DIAGRAMS(7/8)

1U-3360 DSP UNIT (1/2)

SCHEMATIC DIAGRAMS(8/8)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A
B
C
D
E
F
G
H
A
B
C
D
19P_FFC8(P=1)
CY191
GND_D1
NC
AMUTE
96K
DEEM
PRES
SPDIF
HGAIN
BCK
MCLK
TSDO
LRCK
TO GU-3353-1 DVD MAIN UNIT
R405 0
C417 OPEN
TR403 DTA114EK
ZD603 UDZS3.6B
R430 1K
R408 7.5K
TR404 DTC114EK
R407 3.3K
R429 OPEN
R434 1K
R427 0
FB402 OPEN
C407 CK0.1Z
C408 100/6.3
FB403 BEADS
L401 OPEN
L402 OPEN
[AUDIO DAC]
IC401 AD1854KRSRL
C401 CK0.1Z
C402 100/6.3
DGND
DVDD
MCLK
SDATA
CLATCH
BCLK
CCLK
CDATA
MUTE
ZEROL
ZEROR
IDPM0
IDPM1
DEEMP
96/48
FILTB
AVDD
AGND
OUTL+
OUTL-
OUTR+
OUTR-
FILTR
R404 2K
R406 10K
R409 4.7K
R411 4.7K
R413 8.2K
R414 8.2K
C409 560P
C410 560P
C411 560P
C412 560P
R417 5.1K
C413 180P
R415 1.8K
R421 1.8K
R419 5.1K
R420 5.1K
C415 180P
C416 180P
IC402 BA15218F
R412 4.7K
R410 4.7K
R422 1.8K
R416 1.8K
C414 180P
R418 5.1K
C403 CK0.1Z
C404 10/16
C418 OPEN
C425 OPEN
C426 OPEN
FB401
FG2
C423 10/35
C424 10/35
R423 100K
R424 100K
R425 470
R426 470
R431 OPEN
R432 OPEN
R435 2.2K
R436 2.2K
FB407 EMIFIL(11A121)
FB408 EMIFIL(11A121)
TR401 2SC2878(A/B)T
TR402 2SC2878(A/B)T
R668 0
R669 0
C677 10/35
C678 10/35
R666 100K
R667 100K
TO Sheet1
DIN1
R633 0
R673 0
C601 100P
R603 4.7K
R601 3.9K
FRONT_L
IC601 BA15218F
C603 CK0.047Z
TR601 2SK715TB
R605 15K
R607 6.2K
D601 MA152A
C605 33P
R609 15K
R611 100
C609 10/35
C607 CK0.047Z
R613 100K
R634 0
R674 0
C602 100P
R604 4.7K
R602 3.9K
FRONT_R
IC602 BA15218F
C604 CK0.047Z
TR602 2SK715TB
R606 15K
R608 6.2K
D602 MA152A
C606 33P
R610 15K
R612 100
C610 10/35
C608 CK0.047Z
R614 100K
R635 0
R675 0
R636 0
IC603 BA15218F
R615 3.9K
SW (LFE_OUT)
C612 CK0.047Z
R616 6.8K
C611 100P
R617 5.6K
C614 CK0.047Z
R621 100
C616 10/35
R619 8.2K
C615 47P
R622 100K
TR604 DTA114EK
R620 2.2K
R676 0
C613 1/50
R618 10K
TR603 DTC114VK
R637 OPEN
C630 1/50
C629 CK0.01Z
IC605 LC4966
C631 CK0.01Z
C632 1/50
R630 47K
TR600 DTA114EK
TR611 DTC114EK
TR610 DTC114EK
ZD601 MTZJ7.5A
C617 47/10
D603 MA152A
R623 OPEN
R629 100(1W)
R624 OPEN
R625 OPEN
R626 OPEN
R627 100K
R628 100K
R671 75K
IC604 M62446FP
OUT4
OUT3
OUT2
OUT1
AVDD
SWIN
GNDS
SRIN
SLIN
GNDC
CIN
GNDR
RIN
GNDL
LIN
BYPASSR
BYPASSL
LTRE
LBASS3
LBASS2
LBASS1
DVDD
CLK
DATA
LATCH
DGND
AGND
SWOUT
SROUT
SLOUT
COUT
ROUT
LOUT
AVSS
CL1
CL2
CR1
CR2
RTRE
RBASS3
RBASS2
RBASS1
C624 3.3/50
C625 3.3/50
C626 3.3/50
C627 3.3/50
C618 CK8200P
C619 CK0.015
C628 0.33/50
C638 8200P
C636 0.015
C637 3/50
D604 MA152A
D605 MA152A
R670 2.7K
C679 OPEN
C633
R672 OPEN
R677 220
R678 220
CX251 25P_FFC8
+12V_A1
-12V_A1
62446_CLK
62446_DATA
62446_LATCH
GND
R1_OUT
L1_OUT
SWOUT
SROUT
SLOUT
COUT
ROUT
LOUT
ANALOG_R
ANALOG_L
TO 1U-3358-1 MAIN UNIT
GND_D
GND_A1
GND_A2
SURR_R
SURR_L
CENTER
ANALOG_R
ANALOG_L
+12V_A
-12V_A
+5V_D
+5V_A
+ B LINE
- B LINE
SIGNAL LINE
1U-3360 DSP UNIT [2/2]

NOTICE
ALL RESISTANCE VALUES IN OHM. k=1,000 OHM M=1,000,000 OHM
ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD
EACH VOLTAGE AND CURRENT ARE MEASUERD AT MO SIGNAL INPUT CONDITION.
CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

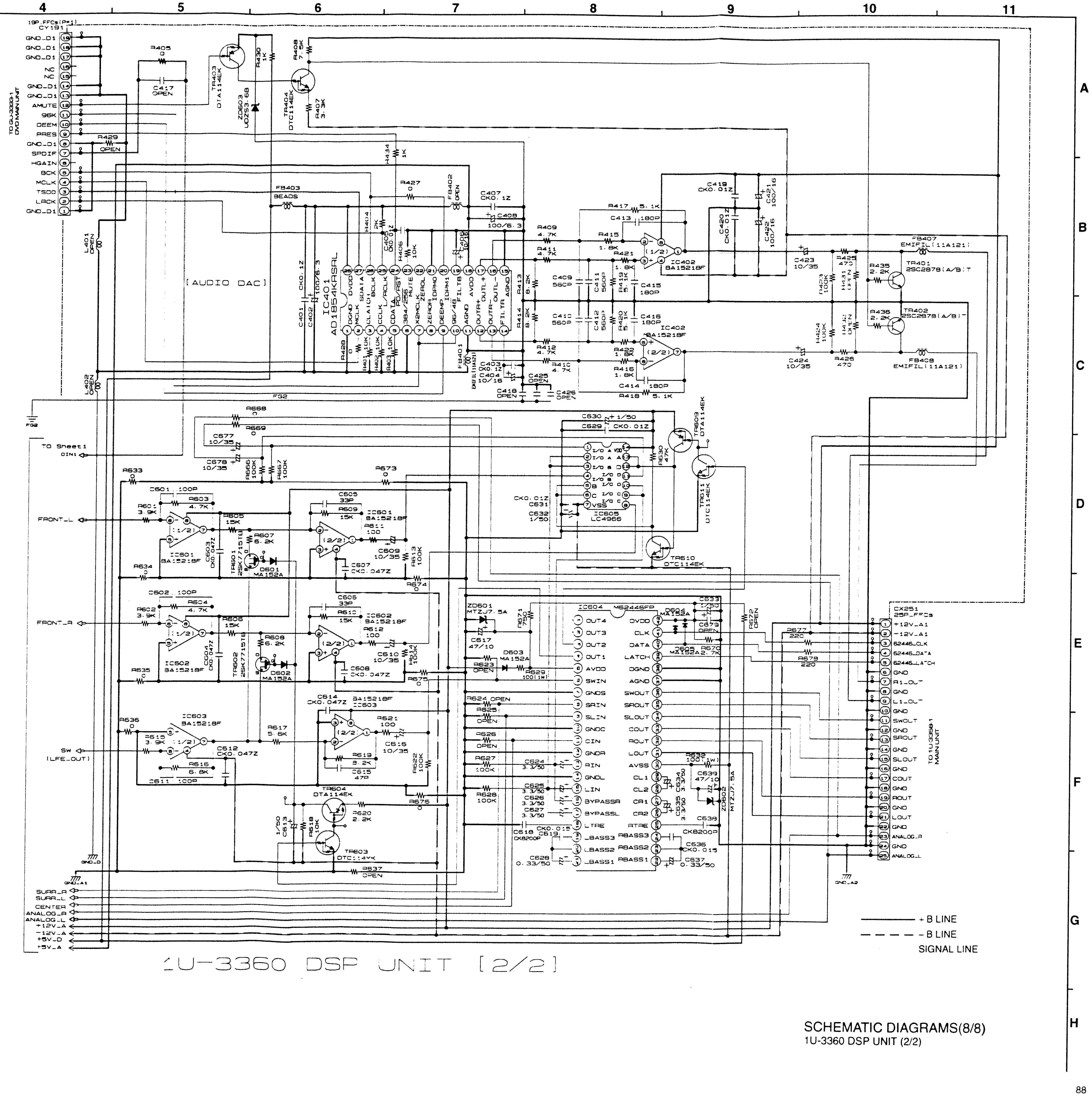
WARNING:
Parts marked with this symbol ⚠☐ have critical characteristics.
Use ONLY replacement parts [illegible] ufacture.

CAUTION:
Before returning the unit [illegible] make sure [illegible] ner (1) a leakage current check [illegible] chassis resistance c[illegible] if the leakage current exceeds 0.5 m[illegible] if the resistance from chas[illegible]s to either side of the power card is l[illegible] 0kohms, the unit is defective.

WARNING:
DO NOT return the u[illegible] ustomer until the problem is located and corrected.

SCHEMATIC DIAGRAMS(8/8)
1U-3360 DSP UNIT (2/2)

SCHEMATIC DIAGRAMS(8/8)


1
2
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11
A
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C
D
E
F
G
H
19P_FFCs(P=1)
CY191
GND_D1
NC
AMUTE
96K
DEEM
PRES
SPDIF
HGAIN
BCK
MCLK
TSDO
LRCK
TO GU-3333-1
DVD MAIN UNIT
R429
OPEN
L401
OPEN
L402
OPEN
R405
0
C417
OPEN
TR403
DTA114EK
ZD603
UDZS3.6B
R430
1K
R408
7.5K
TR404
DTC114EK
R407
3.3K
R434
1K
FB403
BEADS
R427
0
FB402
OPEN
C407
CK0.1Z
C408
100/6.3
[AUDIO DAC]
C401
CK0.1Z
C402
100/6.3
IC401
AD1854KRSRL
DGND
MCLK
CLATCH
CCLK
CDATA
384/256
X2MCLK
ZEROR
DEEMP
96/48
AGND
OUTR+
OUTR-
FILTR
DVDD
SDATA
BCLK
L/RCLK
RD/RST
MUTE
ZEROL
IDPM0
IDPM1
FILTB
AVDD
OUTL+
OUTL-
AGND
R428
0
FB401
C403
CK0.1Z
C404
10/16
C425
OPEN
C418
OPEN
C426
OPEN
R409
4.7K
R411
4.7K
R413
8.2K
R414
8.2K
R410
4.7K
R412
4.7K
C409
560P
C410
560P
C411
560P
C412
560P
R415
1.8K
R416
1.8K
R417
5.1K
R418
5.1K
R419
5.1K
R420
5.1K
R421
1.8K
R422
1.8K
C413
180P
C414
180P
C415
180P
C416
180P
IC402
BA15218F
C419
CK0.01Z
C420
CK0.01Z
C421
100/16
C422
100/16
C423
10/35
C424
10/35
R423
100K
R424
100K
R425
470
R426
470
R431
R432
R435
2.2K
R436
2.2K
TR401
2SC2878(A/B):T
TR402
2SC2878(A/B)
FB407
EMIFIL(11A121)
FB408
EMIFIL(11A121)
FG2
TO Sheet1
DIN1
R668
0
R669
0
C677
10/35
C678
10/35
R666
100K
R667
100K
R633
0
R673
0
C601
100P
R601
3.9K
R603
4.7K
R605
15K
R607
6.2K
C603
CK0.047Z
IC601
BA15218F
TR601
2SK715TB
D601
MA152A
C605
33P
R609
15K
R611
100
C609
10/35
R613
100K
C607
CK0.047Z
R674
0
R634
0
FRONT_L
C602
100P
R602
3.9K
R604
4.7K
R606
15K
R608
6.2K
C604
CK0.047Z
IC602
BA15218F
TR602
2SK715TB
D602
MA152A
C606
33P
R610
15K
R612
100
C610
10/35
R614
100K
C608
CK0.047Z
R675
0
R635
0
FRONT_R
IC603
BA15218F
R636
0
R615
3.9K
R616
6.8K
C611
100P
R617
5.6K
C612
CK0.047Z
C614
CK0.047Z
R621
100
R619
8.2K
C615
47P
C616
10/35
R622
100K
R676
0
SW
(LFE_OUT)
TR604
DTA114EK
TR603
DTC114EK
R618
10K
R620
2.2K
C613
1/50
R637
OPEN
GND_D
GND_A1
SURR_R
SURR_L
CENTER
ANALOG_R
ANALOG_L
+12V_A
-12V_A
+5V_D
+5V_A
C630
1/50
C629
CK0.01Z
C631
CK0.01Z
C632
1/50
IC605
LC4966
I/O A
I/O B
I/O C
I/O D
VDD
VSS
R630
47K
TR609
DTA114EK
TR611
DTC114EK
TR610
DTC114EK
ZD601
MTZJ7.5A
R671
750
C617
47/10
D603
MA152A
R623
OPEN
R629
100(1W)
IC604
M62446FP
OUT4
OUT3
OUT2
OUT1
AVDD
SWIN
GNDS
SRIN
SLIN
GNDC
CIN
GNDR
RIN
GNDL
LIN
BYPASSR
BYPASSL
LTRE
LBASS3
LBASS2
LBASS1
DVDD
CLK
DATA
LATCH
DGND
AGND
SWOUT
SROUT
SLOUT
COUT
ROUT
LOUT
AVSS
CL1
CL2
CR1
CR2
RTRE
RBASS3
RBASS2
RBASS1
D604
MA152A
R670
2.7K
D605
MA152A
C633
C679
OPEN
R672
OPEN
R677
220
R679
220
R624
OPEN
R625
OPEN
R626
OPEN
R627
100K
R628
100K
C624
3.3/50
C625
3.3/50
C626
3.3/50
C627
3.3/50
C618
CK8200P
C619
CK0.015
C628
0.33/50
R632
100(1W)
C639
47/10
C634
3.3/50
C635
3.3/50
ZD602
MTZJ7.5A
C638
CK8200P
C636
CK0.015
C637
0.33/50
CX251
25P_FFCs
+12V_A1
-12V_A1
62446_CLK
62446_DATA
62446_LATCH
GND
R1_OUT
L1_OUT
SWOUT
SROUT
SLOUT
COUT
ROUT
LOUT
ANALOG_R
ANALOG_L
TO 1U-3358-1
MAIN UNIT
GND_A2
+B LINE
-B LINE
SIGNAL LINE
1U-3360 DSP UNIT [2/2]

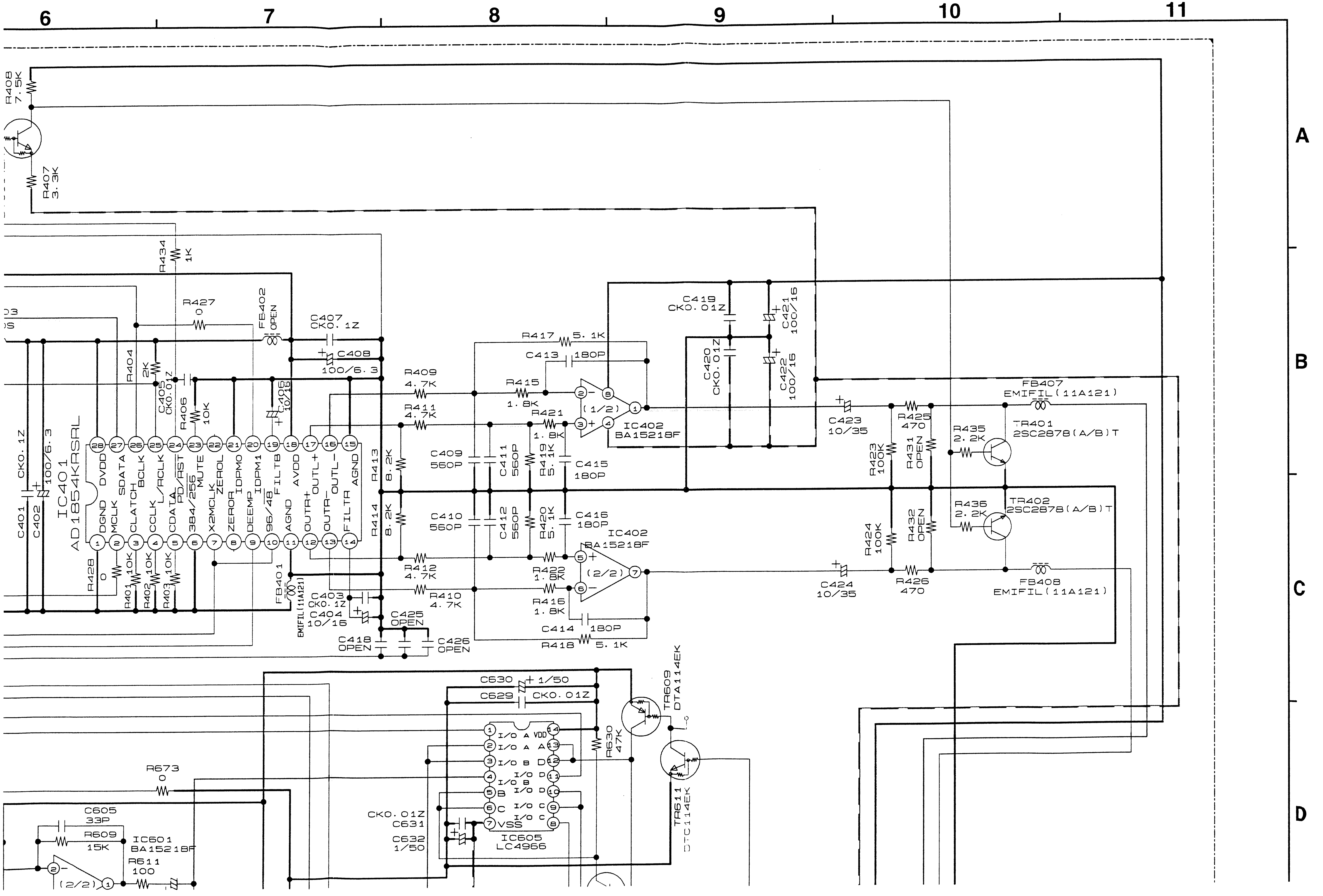
NOTICE
ALL RESISTANCE VALUES IN OHM. k=1.000 OHM M=1,000,000 OHM
ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD
EACH VOLTAGE AND CURRENT ARE MEASUERD AT MO SIGNAL INPUT CONDITION.
CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

WARNING:
Parts marked with this symbol ⚠☐ have critical characteristics.
Use ONLY replacement parts recommended by the manufacture.

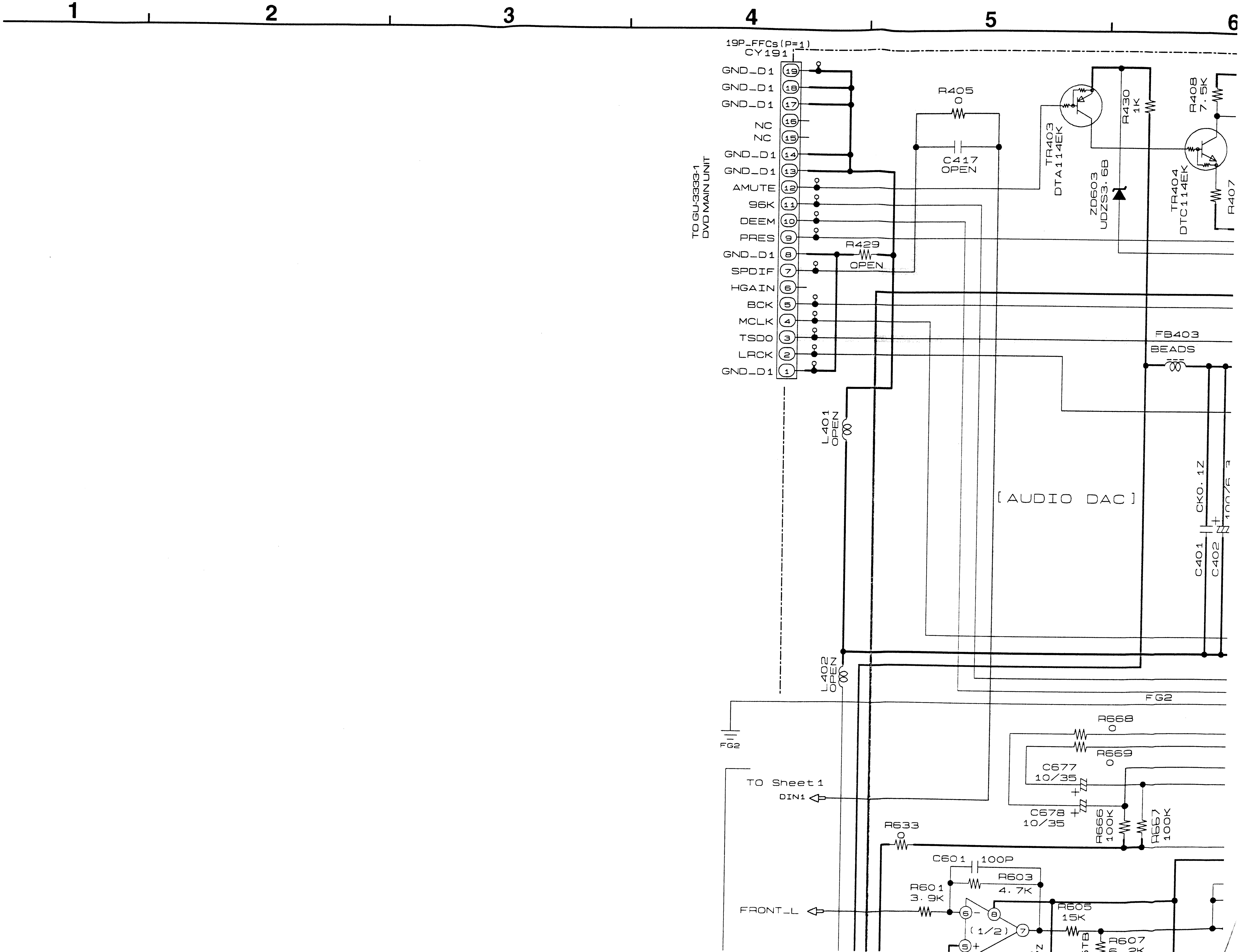
CAUTION:
Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power card is less than 460kohms, the unit is defective.

WARNING:
DO NOT return the unit to the customer until the problem is located and corrected.

SCHEMATIC DIAGRAMS(8/8)
1U-3360 DSP UNIT (2/2)


6
7
8
9
10
11
A
B
C
D
R408 7.5K
R407 3.3K
R434 1K
R427 0
FB402 OPEN
C407 CK0.1Z
C408 100/6.3
R404 2K
C405 CK0.01Z
R406 10K
C406 10/16
C401 CK0.1Z
C402 100/6.3
IC401 AD1854KRSRL
DVDD
SDATA
BCLK
L/RCLK
PD/RST
MUTE
ZEROL
IDPMO
IDPM1
FILTB
AVDD
OUTL+
OUTL-
AGND
DGND
MCLK
CLATCH
CCLK
CDATA
384/256
X2MCLK
ZEROR
DEEMP
96/48
AGND
OUTR+
OUTR-
FILTR
R428 0
R401 10K
R402 10K
R403 10K
FB401 EMIFIL(11A121)
C403 CK0.1Z
C404 10/16
C425 OPEN
C418 OPEN
C426 OPEN
R409 4.7K
R411 4.7K
R412 4.7K
R410 4.7K
R413 8.2K
R414 8.2K
C409 560P
C410 560P
C411 560P
C412 560P
R417 5.1K
C413 180P
R415 1.8K
R421 1.8K
R419 5.1K
C415 180P
R420 5.1K
C416 180P
R422 1.8K
R416 1.8K
C414 180P
R418 5.1K
IC402 BA15218F (1/2)
IC402 BA15218F (2/2)
C419 CK0.01Z
C420 CK0.01Z
C421 100/16
C422 100/16
C423 10/35
C424 10/35
R425 470
R426 470
R423 100K
R424 100K
R431 OPEN
R432 OPEN
R435 2.2K
R436 2.2K
TR401 2SC2878(A/B)T
TR402 2SC2878(A/B)T
FB407 EMIFIL(11A121)
FB408 EMIFIL(11A121)
C630 1/50
C629 CK0.01Z
IC605 LC4966
I/O A
VDD
I/O B
I/O D
I/O C
VSS
R630 47K
TR609 DTA114EK
TR611 DTC114EK
R673 0
C631 CK0.01Z
C632 1/50
C605 33P
R609 15K
IC601 BA15218F
R611 100
(2/2)

SCHEMATIC DIAGRAMS(8/8)


1
2
3
4
5
6
19P_FFCs(P=1)
CY191
GND_D1 19
GND_D1 18
GND_D1 17
NC 16
NC 15
GND_D1 14
GND_D1 13
AMUTE 12
96K 11
DEEM 10
PRES 9
GND_D1 8
SPDIF 7
HGAIN 6
BCK 5
MCLK 4
TSDO 3
LRCK 2
GND_D1 1
TO GU-3333-1
DVD MAIN UNIT
R405
0
C417
OPEN
R429
OPEN
TR403
DTA114EK
R430
1K
ZD603
UDZS3.6B
R408
7.5K
TR404
DTC114EK
R407
FB403
BEADS
L401
OPEN
[AUDIO DAC]
C401
CK0.1Z
C402
L402
OPEN
FG2
FG2
R668
0
R669
0
C677
10/35
C678
10/35
R666
100K
R667
100K
TO Sheet1
DIN1
R633
0
C601
100P
R603
4.7K
R601
3.9K
FRONT_L
R605
15K
(1/2)
R607
6.2K

NOTICE

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ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD
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WARNING:

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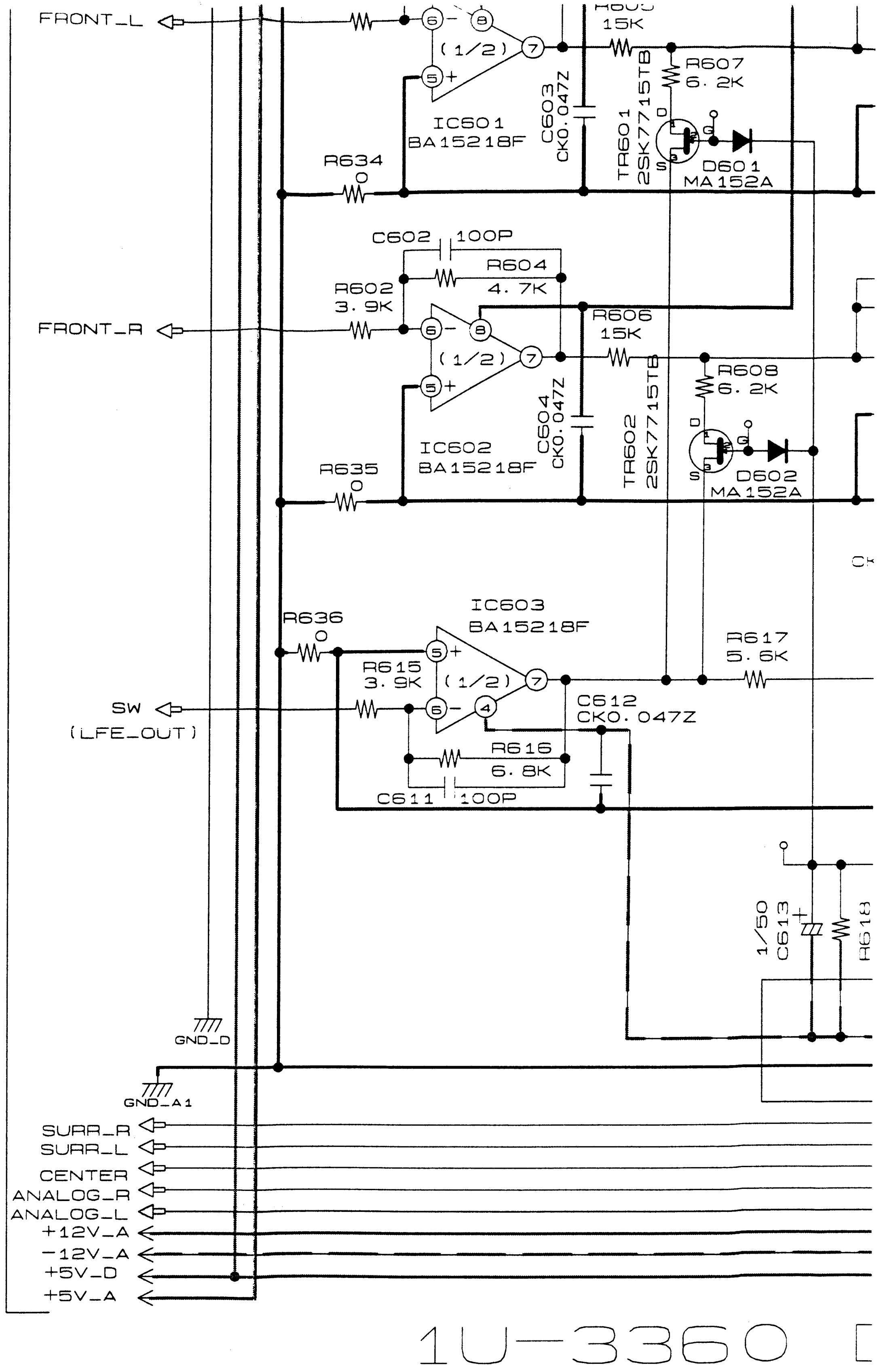
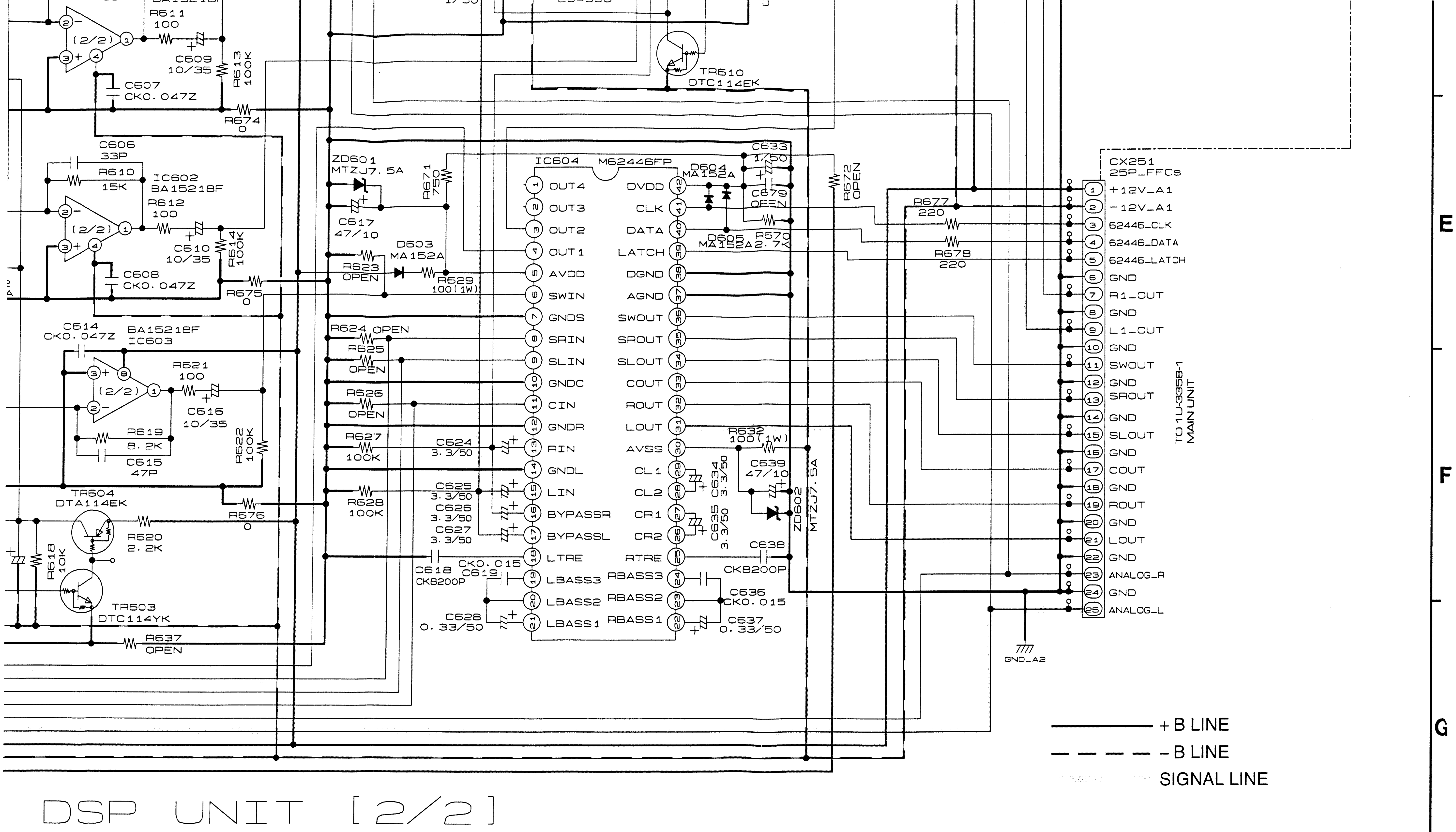

FRONT_L
15K
R607
6. 2K
(1/2)
IC601
BA15218F
C603
CK0.047Z
TR601
2SK771 5TB
D601
MA152A
R634
0
C602
100P
R604
4. 7K
R602
3. 9K
FRONT_R
R606
15K
R608
6. 2K
IC602
BA15218F
C604
CK0.047Z
TR602
2SK7715TB
D602
MA152A
R635
0
R636
0
IC603
BA15218F
R615
3. 9K
R617
5. 6K
SW
(LFE_OUT)
C612
CK0. 047Z
R616
6. 8K
C611
100P
1/50
C613
GND_D
GND_A1
SURR_R
SURR_L
CENTER
ANALOG_R
ANALOG_L
+12V_A
-12V_A
+5V_D
+5V_A
1U-3360


R511
100
C609
10/35
R613
100K
C607
CK0.047Z
R674
0
TR610
DTC114EK
C606
33P
R610
15K
IC602
BA15218F
R612
100
C610
10/35
R614
100K
C608
CK0.047Z
R675
0
C614
CK0.047Z
BA15218F
IC603
R621
100
C616
10/35
R619
8.2K
C615
47P
R622
100K
TR604
DTA114EK
R676
0
R620
2.2K
R618
10K
TR603
DTC114YK
R637
OPEN
ZD601
MTZJ7.5A
C617
47/10
R671
750
D603
MA152A
R623
OPEN
R629
100(1W)
R624 OPEN
R625
OPEN
R626
OPEN
R627
100K
R628
100K
C624
3.3/50
C625
3.3/50
C626
3.3/50
C627
3.3/50
C618
CK8200P
CK0.C15
C619
C628
0.33/50
IC604
M62446FP
OUT4
OUT3
OUT2
OUT1
AVDD
SWIN
GNDS
SRIN
SLIN
GNDC
CIN
GNDR
RIN
GNDL
LIN
BYPASSR
BYPASSL
LTRE
LBASS3
LBASS2
LBASS1
DVDD
CLK
DATA
LATCH
DGND
AGND
SWOUT
SROUT
SLOUT
COUT
ROUT
LOUT
AVSS
CL1
CL2
CR1
CR2
RTRE
RBASS3
RBASS2
RBASS1
C633
1/50
D604
MA152A
C679
OPEN
D605
MA152A
R670
2.7K
R672
OPEN
R632
100(1W)
C639
47/10
C634
3.3/50
C635
3.3/50
ZD602
MTZJ7.5A
C638
CK8200P
C636
CK0.015
C637
0.33/50
R677
220
R678
220
CX251
25P_FFCs
+12V_A1
−12V_A1
62446_CLK
62446_DATA
62446_LATCH
GND
R1_OUT
GND
L1_OUT
GND
SWOUT
GND
SROUT
GND
SLOUT
GND
COUT
GND
ROUT
GND
LOUT
GND
ANALOG_R
GND
ANALOG_L
TO 1U-3358-1
MAIN UNIT
GND_A2
E
F
G
H
DSP UNIT [2/2]

———— + B LINE

— — — — − B LINE

SIGNAL LINE

SCHEMATIC DIAGRAMS(8/8)

1U-3360 DSP UNIT (2/2)